# MANITOBA'S

# FOREIGN TRADE

# 1988

Manitoba
Bureau of
Statistics

MBS 89-8 (4E)

PRICE: $35.

NOVEMBER, 1989

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# MANITOBA'S FOREIGN TRADE

## 1988 TOTAL EXPORTS=$2672.5 MILLION

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## EXECUTIVE SUMMARY

### DATA HIGHLIGHTS: 1988

In 1988, Manitoba merchandise exports to the rest of the world were $2,673 million. The largest merchandise exports were to: the United States ($1,744 million); Japan ($170 million); U.S.S.R. ($81 million); West Germany ($64 million ); Belgium & Luxembourg ($52 million); and the United Kingdom ($48 million ). Agricultural exports were $786 million comprising 29% of the total exports, while non-agricultural merchandise exports were $1,887 million (71%).

Manitoba agricultural merchandise exports to the United States were $162 million, ranking the United States number one over: China ($154 million); Japan ($125 million); the U.S.S.R. ($81 million); and West Germany ($49 million). These five countries accounted for 73% of Manitoba's agricultural exports in 1988.

The United States dominated the non-agricultural merchandise export market purchasing $1,583 million from Manitoba in 1988, accounting for 84% of all non-agricultural exports. In contrast, the next largest non-agricultural export markets were: Japan ($44 million); the United Kingdom ($30 million); Belgium & Luxembourg ($29 million); and India ($16 million). These five countries accounted for 90% of Manitoba's non-agricultural merchandise exports.

Manitoba imports from the rest of the world were $2,640 million, giving Manitoba a positive trade balance ($33 million). Imports from the United States were $2,282 million, accounting for 87% of the total. Other major import nations were: Japan ($65 million); West Germany ($37 million); the United Kingdom ($31 million); and South Korea ($29 million).

Wheat exports to the rest of the world were $383 million (14%), making wheat our largest commodity export group out of approximately 1,250 classifications. The next largest export commodity was computer equipment at $154 million (6%). The top ten export commodity groups account for 43% of all Manitoba's exports, while the top fifty commodity groups account for 77% of Manitoba's exports.

The top import commodity classification was personal transport vehicles with $146 million (6%), followed by computer equipment at $120 million (5%). The top ten import commodity groups accounted for 32% of the total imports, while the top fifty accounted for 59% of Manitoba's imports.

Primary industry exports were $892 million. Of this total, Agriculture accounted for $786 million, Mining $91 million, and Fishing, Hunting, and Trapping $14 million. Manufacturing industry exports were $1,466 million, with electrical industries ($277 million) and food industries ($260 million) being the largest manufactured goods sub-categories. Imports of manufactured goods were $2,398 million, which constituted 91% of all imports.

# MANITOBA'S FOREIGN TRADE

## 1988 AGRICULTURAL EXPORTS=$785.9 MILLION

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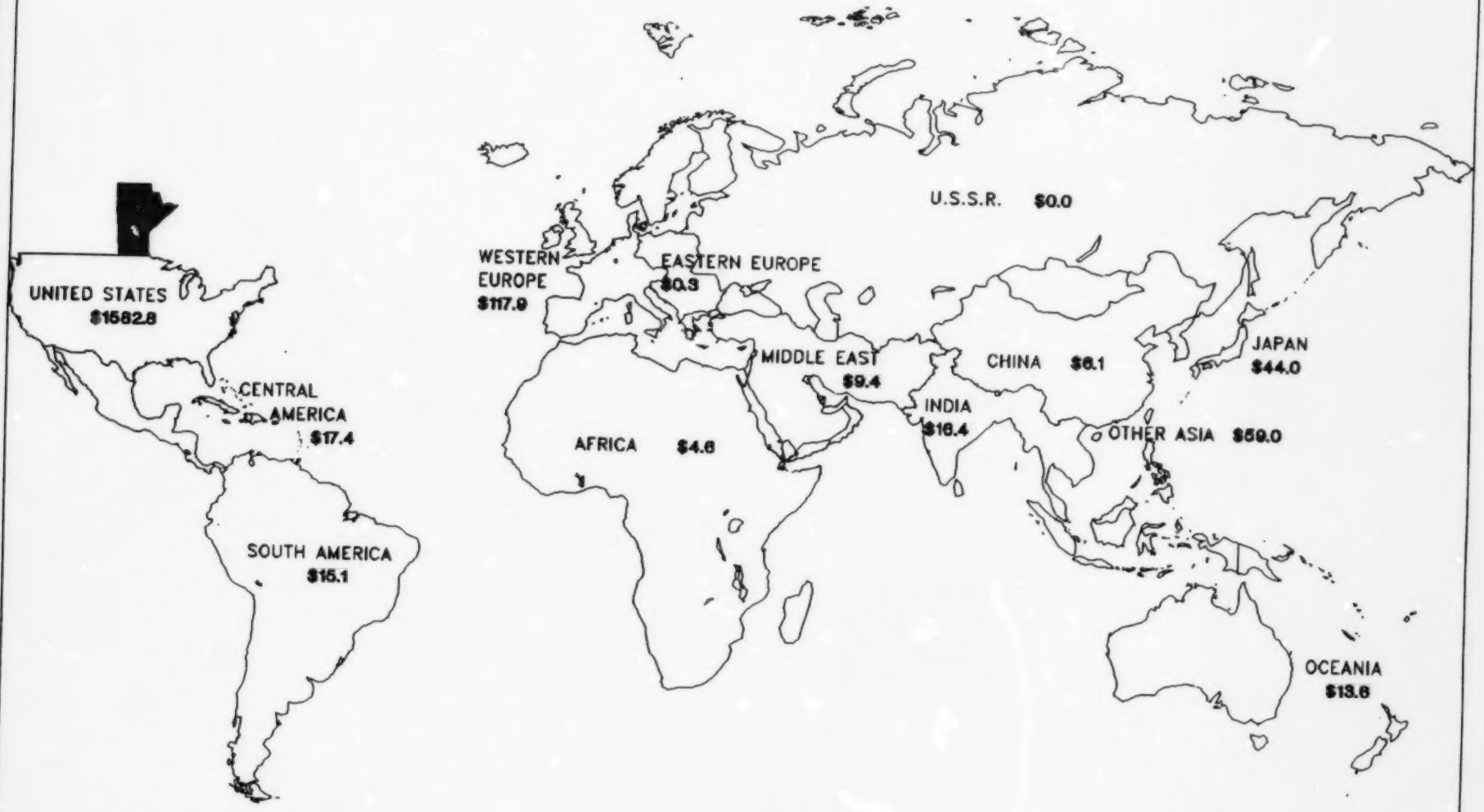
# MANITOBA'S FOREIGN TRADE

## 1988 NON-AGRICULTURAL EXPORTS=$1886.5 MILLION

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## INTRODUCTION:

This report has been prepared by the Manitoba Bureau of Statistics (MBS) as part of its economic statistics program. Its purpose is to provide information for Manitoba on the importance and impact of international merchandise trade.

This publication provides international merchandise trade data by country, commodity, and industry. The information is from Statistics Canada's External Trade Division for which MBS has adjusted the valuation for the major grains and oilseeds to more closely reflect their actual value to Manitoba. In addition, the volume and value of oil exports has been adjusted to balance with interprovincial exports and domestic production levels. These adjustments are explained in more detail in the MBS Valuation Adjustment section.

Users should be aware that the export data prior to 1985 is on a "laden" basis. From 1985 forward all export data is on a "province of origin" basis. Secondly, users are cautioned that the import data is on a province of clearance basis. Therefore, a significant quantity of import from other countries are not counted as they are cleared through custom ports in other provinces and then shipped to Manitoba (MBS would count these as interprovincial imports). This implies that trade balances calculated for individual countries would, in all likelihood, overstate Manitoba's actual position.

In addition, prior to 1988, exports/imports were classified using the Export Commodity Classification and Import Commodity Classification codes (XCC & MCC). In 1988 the Harmonized System (HS) was adopted for both export and import classification. Therefore, any direct comparison between 1988 and previous years is not recommended for the commodity and industry sections of this report.

The Manitoba Bureau of Statistics has available additional detailed information which can be supplied to interested users on a cost-recovery basis. For answers to any questions or for further information, please contact Steve Brandson at MBS (204) 945-2994.

## MBS VALUATION ADJUSTMENT

The Manitoba Bureau of Statistics performs valuation adjustments on the Manitoba export data that is produced by Statistics Canada's External Trade Division. The products MBS makes adjustments for are: wheat; oats; barley; rye; flaxseed; canola; and crude oil. Statistics Canada uses the "port of exit" price, whereas MBS uses the "producer" price to value these exports. The difference consists mainly of returns to transportation, marketing, and handling for these commodities.

While both numbers are correct in their context, the adjusted values are a better indicator of the economic benefits to Manitoba resulting from the export of these commodities (i.e., MBS excludes transportation, marketing, and handling costs that are incurred outside of Manitoba). The adjustments allow the MBS Trade Statistics Database to be consistent with the MBS Provincial Economic Accounts, which measures the value of all goods and services produced in Manitoba.

The MBS value for the six grains and oilseeds are computed as follows:

$$\text{MBS Value} = Q \times P$$

where Q = Statistics Canada's External Trade divisions quantity
P = MBS Provincial Economic Accounts average unit price

The crude oil valuation uses both quantity and price data from the MBS Provincial Accounts. The quantity is arrived at by calculating the change in the stock of crude oil, adding the domestic production of crude oil, and then subtracting domestic consumption and net interprovincial trade. The unit price is drawn from the Provincial Accounts in the same manner as the grains and oilseeds.

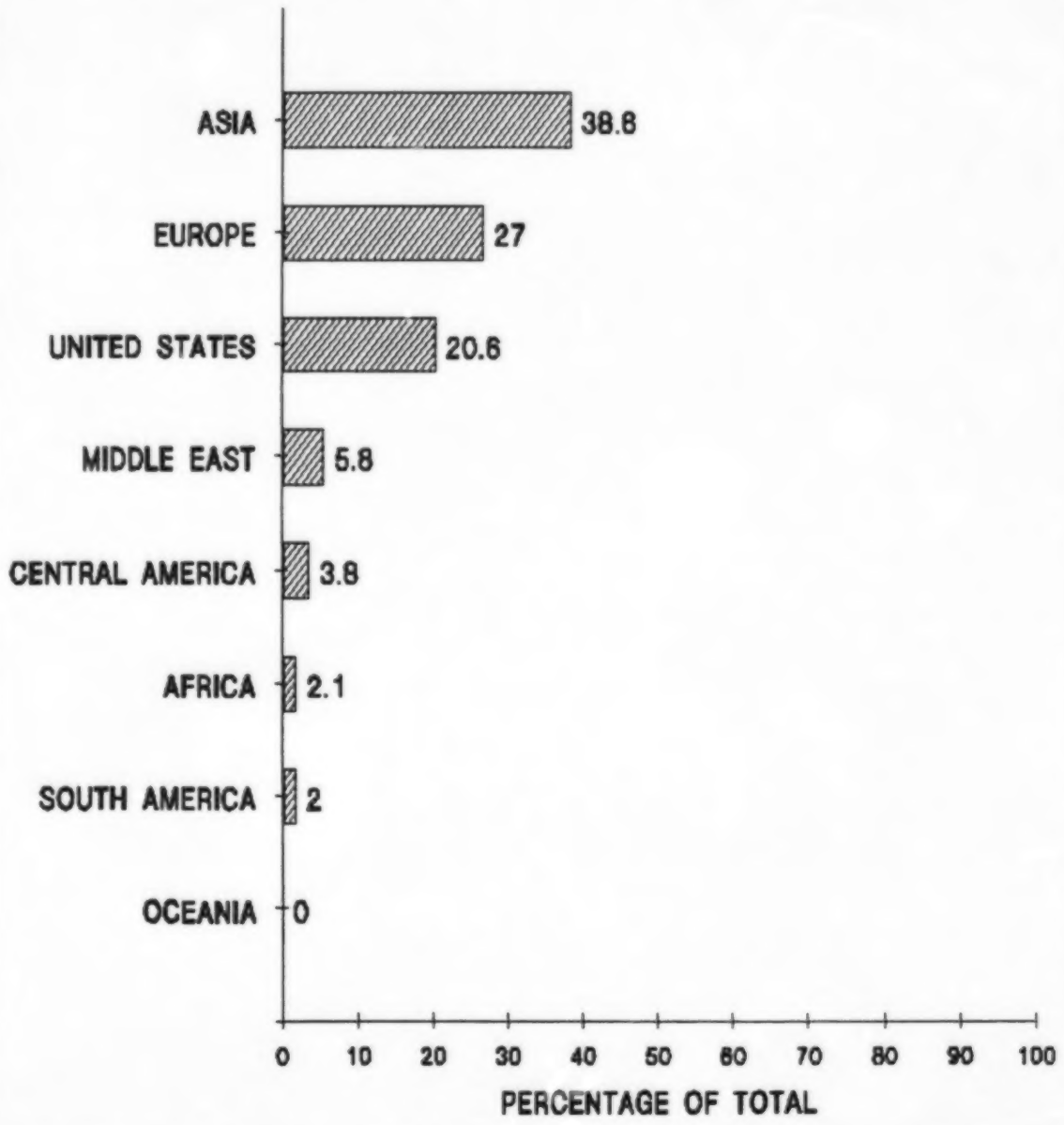
The following table illustrates the reconciliation of the Statistics Canada and MBS export levels for 1988.

**Reconciliation of Export Values - 1988**

| COMMODITY | STATISTICS CANADA VALUE | MBS VALUE | DIFFERENCE |
|---|---|---|---|
| | ( $ million ) | | |
| Wheat | 603.2 | 382.8 | (220.4) |
| Oats | 11.1 | 9.9 | (1.2) |
| Barley | 38.3 | 37.9 | (0.4) |
| Rye | 2.8 | 2.4 | (0.4) |
| Flaxseed | 96.8 | 78.7 | (18.1) |
| Canola | 97.2 | 82.2 | (15.0) |
| Crude Oil | 39.1 | 50.7 | 11.6 |
| Sub Total | 888.4 | 664.5 | (243.9) |
| Other Merchandise Exports | 2,027.9 | 2,027.9 | 0.0 |
| Total Exports | 2,916.3 | 2,672.5 | (243.9) |

CHART 1

# MANITOBA AGRICULTURAL EXPORTS BY REGION 1988




MANITOBA BUREAU OF STATISTICS - NOV. 1989 MANITOBA TRADE STATISTICS DATA BASE

Table 1
Agricultural Exports to the Rest of the World, 1985 - 1988

| Country | 1985 | 1986 | 1987 | 1988 | 1985 | 1986 | 1987 | 1988 |
|---|---|---|---|---|---|---|---|---|
| | (Millions of Dollars) | | | | ( Percent of Total ) | | | |
| United States | 146.4 | 107.8 | 119.7 | 161.6 | 17.2% | 13.6% | 14.3% | 20.6% |
| North America N.E.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| North America Total | 146.4 | 107.8 | 119.7 | 161.6 | 17.2% | 13.6% | 14.3% | 20.6% |
| West Germany | 52.9 | 44.3 | 39.3 | 49.4 | 6.2% | 5.6% | 4.7% | 6.3% |
| United Kingdom | 28.7 | 24.4 | 20.0 | 18.0 | 3.4% | 3.1% | 2.4% | 2.3% |
| Netherlands | 14.1 | 20.6 | 31.6 | 16.0 | 1.7% | 2.6% | 3.8% | 2.0% |
| Belgium & Luxembourg | 9.5 | 12.7 | 19.5 | 22.0 | 1.1% | 1.6% | 2.3% | 2.8% |
| France | 3.7 | 3.9 | 4.0 | 3.6 | 0.4% | 0.5% | 0.5% | 0.5% |
| Italy | 5.9 | 9.6 | 10.2 | 7.6 | 0.7% | 1.2% | 1.2% | 1.0% |
| Portugal | 0.1 | 9.8 | 5.0 | 1.6 | 0.0% | 1.2% | 0.6% | 0.2% |
| Spain | 0.7 | 1.0 | 2.0 | 1.0 | 0.1% | 0.1% | 0.2% | 0.1% |
| Norway | 3.7 | 1.2 | 3.2 | 2.1 | 0.4% | 0.2% | 0.4% | 0.3% |
| Western Europe N.E.S. | 2.6 | 2.2 | 3.6 | 8.5 | 0.3% | 0.3% | 0.4% | 1.1% |
| Total Western Europe | 121.9 | 129.6 | 138.2 | 129.7 | 14.3% | 16.3% | 16.6% | 16.5% |
| United Soviet Socialist Republic | 185.2 | 139.5 | 96.0 | 80.6 | 21.8% | 17.6% | 11.5% | 10.3% |
| East Germany | 20.0 | 18.6 | 8.7 | 1.9 | 2.4% | 2.3% | 1.0% | 0.2% |
| Romania | 1.1 | 3.7 | 1.2 | 0.0 | 0.1% | 0.5% | 0.1% | 0.0% |
| Eastern Europe N.E.S. | 1.0 | 4.5 | 4.5 | 0.0 | 0.1% | 0.6% | 0.5% | 0.0% |
| Total Eastern Europe | 207.3 | 166.3 | 110.4 | 82.5 | 24.4% | 21.0% | 13.2% | 10.5% |
| Saudi Arabia | 8.4 | 14.7 | 25.7 | 12.0 | 1.0% | 1.9% | 3.1% | 1.5% |
| Iraq | 5.9 | 14.3 | 16.7 | 17.2 | 0.7% | 1.8% | 2.0% | 2.2% |
| Iran | 0.0 | 0.0 | 15.6 | 10.3 | 0.0% | 0.0% | 1.9% | 1.3% |
| Egypt | 15.3 | 9.2 | 1.7 | 0.4 | 1.8% | 1.2% | 0.2% | 0.0% |
| Middle East N.E.S. | 17.4 | 12.2 | 10.0 | 0.0 | 2.0% | 1.5% | 1.2% | 0.0% |
| Total Middle East | 46.9 | 50.4 | 69.7 | 45.9 | 5.5% | 6.3% | 8.4% | 5.8% |
| Algeria | 11.5 | 4.8 | 10.1 | 10.9 | 1.4% | 0.6% | 1.2% | 1.4% |
| Other Africa N.E.S. | 7.1 | 9.8 | 5.4 | 5.8 | 0.8% | 1.2% | 0.6% | 0.7% |
| Total Other Africa | 18.5 | 14.6 | 15.5 | 16.7 | 2.2% | 1.8% | 1.9% | 2.1% |
| Japan | 155.8 | 141.0 | 128.1 | 125.4 | 18.3% | 17.8% | 15.3% | 16.0% |
| China | 55.4 | 59.7 | 104.8 | 154.1 | 6.5% | 7.5% | 12.6% | 19.6% |
| South Korea | 2.4 | 14.3 | 23.1 | 2.5 | 0.3% | 1.8% | 2.8% | 0.3% |
| Bangladesh | 7.8 | 8.6 | 12.6 | 5.9 | 0.9% | 1.1% | 1.5% | 0.7% |
| Indonesia | 8.1 | 5.6 | 3.3 | 5.1 | 0.9% | 0.7% | 0.4% | 0.6% |
| India | 1.6 | 0.8 | 1.3 | 1.5 | 0.2% | 0.1% | 0.2% | 0.2% |
| Other Asia N.E.S. | 6.7 | 7.1 | 13.5 | 9.0 | 0.8% | 0.9% | 1.6% | 1.1% |
| Total Other Asia | 237.8 | 237.2 | 286.7 | 303.5 | 28.0% | 29.9% | 34.4% | 38.6% |
| Australia | 0.4 | 0.0 | 0.0 | 0.1 | 0.1% | 0.0% | 0.0% | 0.0% |
| Oceania N.E.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Total Oceania | 0.4 | 0.0 | 0.0 | 0.1 | 0.1% | 0.0% | 0.0% | 0.0% |
| Brazil | 23.4 | 22.6 | 19.7 | 0.1 | 2.8% | 2.9% | 2.4% | 0.0% |
| Venezuela | 17.6 | 4.3 | 7.6 | 8.9 | 2.1% | 0.5% | 0.9% | 1.1% |
| Peru | 0.0 | 4.7 | 7.1 | 0.8 | 0.0% | 0.6% | 0.9% | 0.1% |
| South America N.E.S. | 0.7 | 4.1 | 8.2 | 5.8 | 0.1% | 0.5% | 1.0% | 0.7% |
| Total South America | 41.6 | 35.6 | 42.6 | 15.7 | 4.9% | 4.5% | 5.1% | 2.0% |
| Cuba | 21.8 | 36.6 | 29.0 | 14.6 | 2.6% | 4.6% | 3.5% | 1.9% |
| Mexico | 3.6 | 11.2 | 18.5 | 11.5 | 0.4% | 1.4% | 2.2% | 1.5% |
| Central America N.E.S. | 4.0 | 4.1 | 4.1 | 4.1 | 0.5% | 0.5% | 0.5% | 0.5% |
| Total Central America | 29.4 | 51.8 | 51.6 | 30.2 | 3.5% | 6.5% | 6.2% | 3.8% |
| Other Countries N.E.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Grand Total Commodity Exports | 850.4 | 793.4 | 834.4 | 785.9 | 100.0% | 100.0% | 100.0% | 100.0% |

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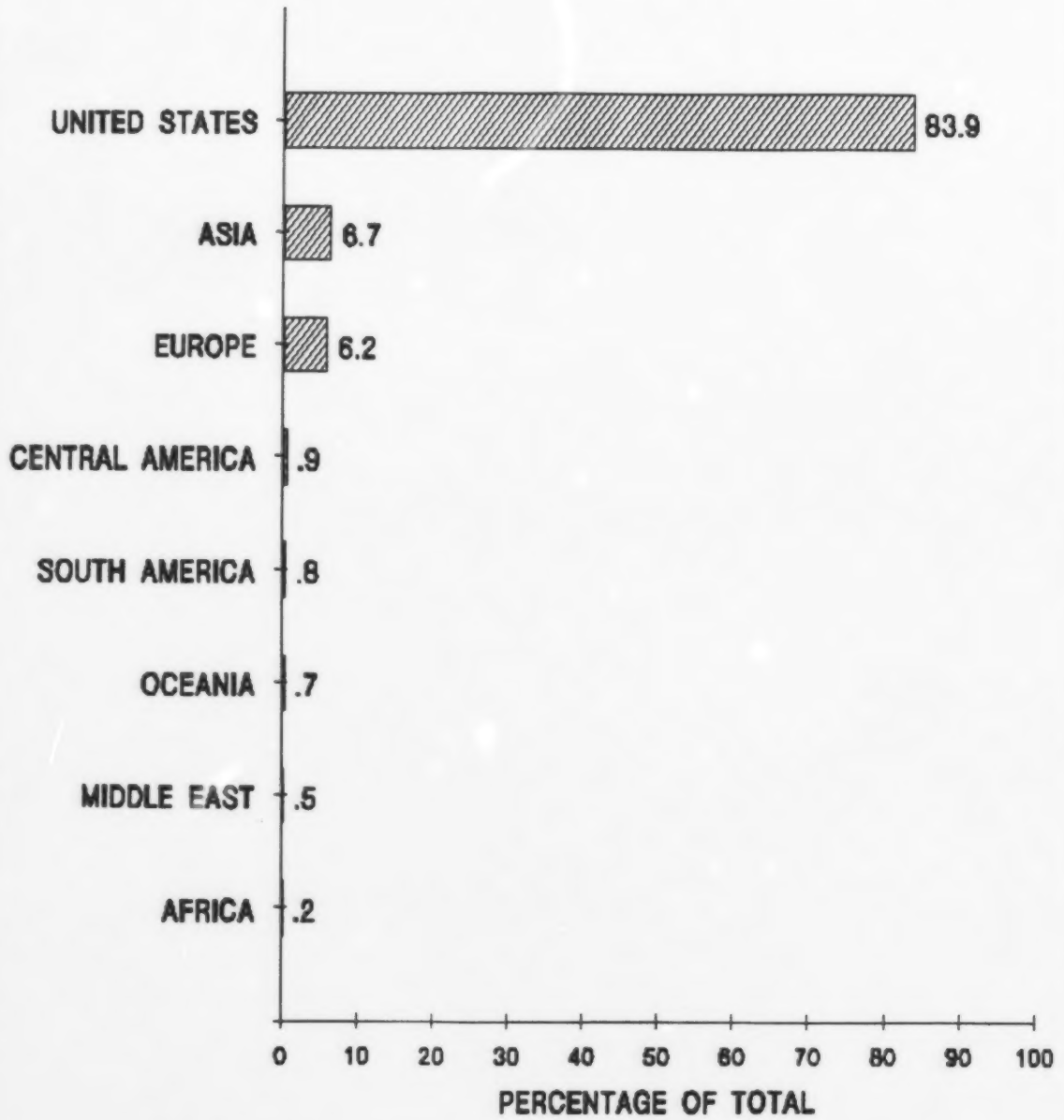
## CHART 2
## MANITOBA NON-AGRICULTURAL EXPORTS BY REGION
## 1988




MANITOBA BUREAU OF STATISTICS - NOV. 1989 MANITOBA TRADE STATISTICS DATA BASE

Table 2
Non-Agricultural Exports to the Rest of the World, 1985 - 1988

| Country | 1985 | 1986 | 1987 | 1988 | 1985 | 1986 | 1987 | 1988 |
|---|---|---|---|---|---|---|---|---|
| | (Millions of Dollars) | | | | ( Percent of Total ) | | | |
| United States | 1215.0 | 1202.3 | 1393.6 | 1582.8 | 84.4% | 83.4% | 78.6% | 83.9% |
| North America N.E.S. | 0.1 | 0.4 | 0.2 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| North America Total | 1215.2 | 1202.7 | 1393.7 | 1582.8 | 84.4% | 83.4% | 78.6% | 83.9% |
| West Germany | 6.4 | 17.3 | 27.6 | 14.6 | 0.4% | 1.2% | 1.6% | 0.8% |
| United Kingdom | 24.8 | 27.5 | 19.4 | 30.2 | 1.7% | 1.9% | 1.1% | 1.6% |
| Netherlands | 1.3 | 2.1 | 6.5 | 2.7 | 0.1% | 0.1% | 0.4% | 0.1% |
| Belguim & Luxembourg | 1.6 | 0.7 | 1.3 | 29.4 | 0.1% | 0.0% | 0.1% | 1.6% |
| France | 8.1 | 15.0 | 15.2 | 13.0 | 0.6% | 1.0% | 0.9% | 0.7% |
| Italy | 1.5 | 1.6 | 2.7 | 2.3 | 0.1% | 0.1% | 0.2% | 0.1% |
| Portugal | 0.9 | 4.2 | 4.3 | 1.8 | 0.1% | 0.3% | 0.2% | 0.1% |
| Spain | 0.4 | 0.6 | 9.3 | 2.6 | 0.0% | 0.0% | 0.5% | 0.1% |
| Norway | 0.7 | 0.7 | 6.2 | 10.0 | 0.1% | 0.0% | 0.3% | 0.5% |
| Western Europe N.E.S. | 4.2 | 8.5 | 12.0 | 11.3 | 0.3% | 0.6% | 0.7% | 0.6% |
| Total Western Europe | 50.0 | 78.2 | 104.7 | 117.9 | 3.5% | 5.4% | 5.9% | 6.2% |
| United Soviet Socialist Republic | 0.0 | 0.0 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| East Germany | 0.0 | 0.1 | 0.0 | 0.1 | 0.0% | 0.0% | 0.0% | 0.0% |
| Romania | 9.0 | 0.0 | 0.0 | 0.0 | 0.6% | 0.0% | 0.0% | 0.0% |
| Eastern Europe N.E.S. | 0.1 | 0.4 | 0.8 | 0.1 | 0.0% | 0.0% | 0.0% | 0.0% |
| Total Eastern Europe | 9.1 | 0.5 | 0.9 | 0.3 | 0.6% | 0.0% | 0.1% | 0.0% |
| Saudi Arabia | 4.5 | 0.5 | 0.3 | 0.2 | 0.3% | 0.0% | 0.0% | 0.0% |
| Iraq | 0.0 | 0.2 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Iran | 0.0 | 0.0 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Egypt | 0.3 | 0.0 | 0.1 | 0.1 | 0.0% | 0.0% | 0.0% | 0.0% |
| Middle East N.E.S. | 6.5 | 2.6 | 2.0 | 9.0 | 0.4% | 0.2% | 0.1% | 0.5% |
| Total Middle East | 11.3 | 3.4 | 2.4 | 9.4 | 0.8% | 0.2% | 0.1% | 0.5% |
| Algeria | 9.9 | 0.0 | 0.9 | 0.7 | 0.7% | 0.0% | 0.1% | 0.0% |
| Other Africa N.E.S. | 1.7 | 1.9 | 3.8 | 3.9 | 0.1% | 0.1% | 0.2% | 0.2% |
| Total Other Africa | 11.5 | 1.9 | 4.7 | 4.6 | 0.8% | 0.1% | 0.3% | 0.2% |
| Japan | 29.4 | 33.1 | 37.5 | 44.0 | 2.0% | 2.3% | 2.1% | 2.3% |
| China | 1.1 | 1.6 | 6.4 | 6.1 | 0.1% | 0.1% | 0.4% | 0.3% |
| South Korea | 1.9 | 1.5 | 2.3 | 9.2 | 0.1% | 0.1% | 0.1% | 0.5% |
| Bangladesh | 0.0 | 0.2 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Indonesia | 0.4 | 1.1 | 3.5 | 1.9 | 0.0% | 0.1% | 0.2% | 0.1% |
| India | 30.5 | 9.6 | 0.4 | 16.4 | 2.1% | 0.7% | 0.0% | 0.9% |
| Other Asia N.E.S. | 8.5 | 5.0 | 18.5 | 47.9 | 0.6% | 0.3% | 1.0% | 2.5% |
| Total Other Asia | 71.8 | 52.2 | 68.5 | 125.5 | 5.0% | 3.6% | 3.9% | 6.7% |
| Australia | 16.0 | 3.9 | 2.6 | 7.0 | 1.1% | 0.3% | 0.1% | 0.4% |
| Oceania N.E.S. | 5.5 | 3.2 | 1.9 | 6.6 | 0.4% | 0.2% | 0.1% | 0.4% |
| Total Oceania | 21.5 | 7.2 | 4.5 | 13.6 | 1.5% | 0.5% | 0.3% | 0.7% |
| Brazil | 5.1 | 2.2 | 6.4 | 9.7 | 0.4% | 0.2% | 0.4% | 0.5% |
| Venezuela | 0.8 | 0.6 | 1.8 | 1.1 | 0.1% | 0.0% | 0.1% | 0.1% |
| Peru | 0.5 | 0.5 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| South America N.E.S. | 0.8 | 1.3 | 0.4 | 4.2 | 0.1% | 0.1% | 0.0% | 0.2% |
| Total South America | 7.1 | 4.6 | 8.6 | 15.1 | 0.5% | 0.3% | 0.5% | 0.8% |
| Cuba | 0.1 | 2.3 | 0.1 | 0.4 | 0.0% | 0.2% | 0.0% | 0.0% |
| Mexico | 6.5 | 8.1 | 1.9 | 6.7 | 0.5% | 0.6% | 0.1% | 0.4% |
| Central America N.E.S. | 4.9 | 7.0 | 7.8 | 10.2 | 0.3% | 0.5% | 0.4% | 0.5% |
| Total Central America | 11.6 | 17.5 | 9.8 | 17.4 | 0.8% | 1.2% | 0.6% | 0.9% |
| Other Countries N.E.S. | 31.1 | 73.4 | 175.8 | 0.0 | 2.2% | 5.1% | 9.9% | 0.0% |
| Grand Total Commodity Exports | 1440.2 | 1441.5 | 1773.6 | 1886.5 | 100.0% | 100.0% | 100.0% | 100.0% |

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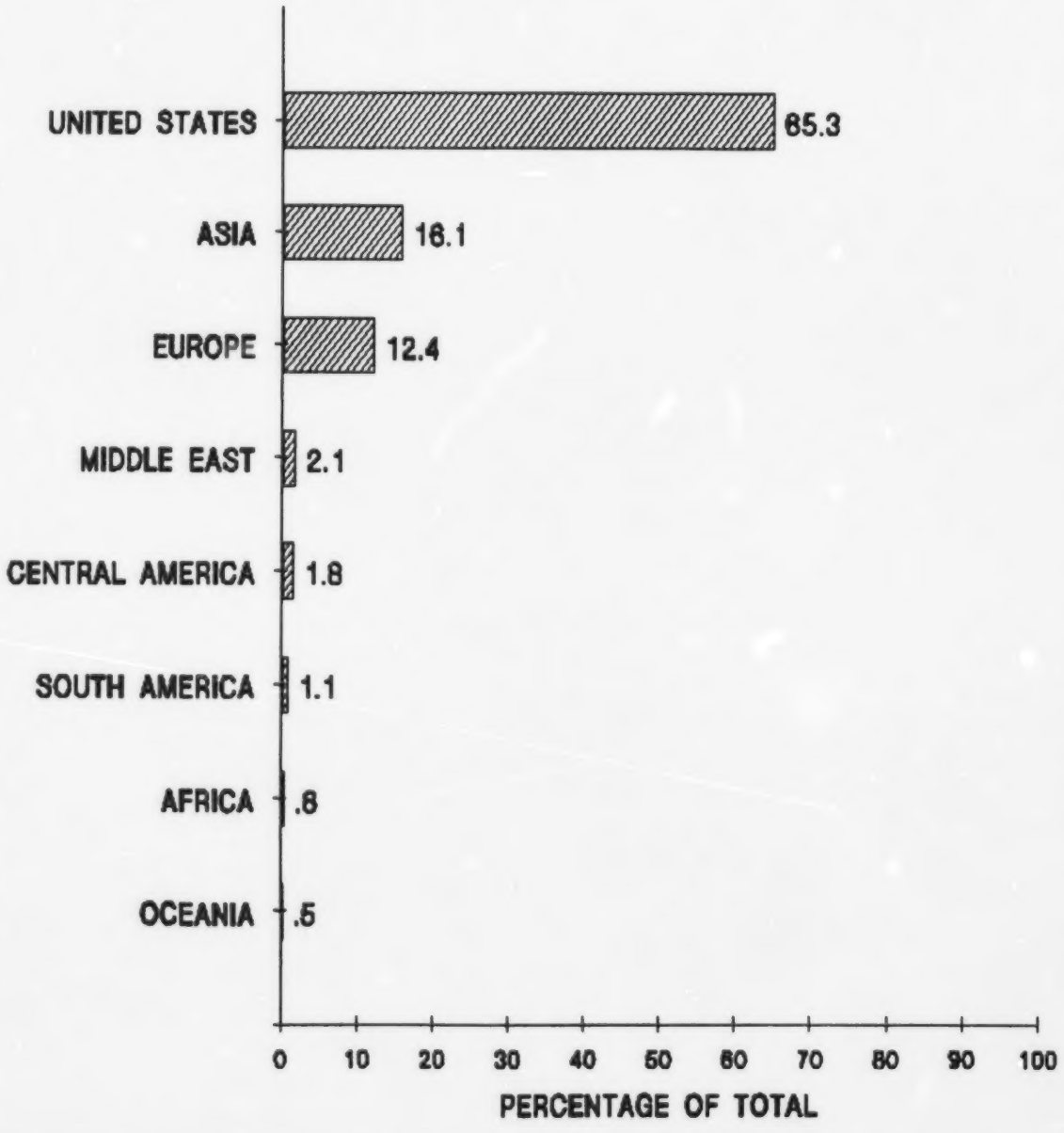
## CHART 3
## MANITOBA TOTAL EXPORTS BY REGION
## 1988




MANITOBA BUREAU OF STATISTICS - NOV. 1989 MANITOBA TRADE STATISTICS DATA BASE

Table 3

Merchandise Exports to the Rest of the World, 1985 - 1988

| Country | 1985 | 1986 | 1987 | 1988 | 1985 | 1986 | 1987 | 1988 |
|---|---|---|---|---|---|---|---|---|
| | (Millions of Dollars) | | | | ( Percent of Total ) | | | |
| United States | 1361.4 | 1310.1 | 1513.2 | 1744.4 | 59.4% | 58.6% | 58.0% | 65.3% |
| North America N.E.S. | 0.1 | 0.4 | 0.2 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| North America Total | 1361.5 | 1310.5 | 1513.4 | 1744.5 | 59.4% | 58.6% | 58.0% | 65.3% |
| West Germany | 59.3 | 61.6 | 66.9 | 64.0 | 2.6% | 2.8% | 2.6% | 2.4% |
| United Kingdom | 53.4 | 51.9 | 39.4 | 48.2 | 2.3% | 2.3% | 1.5% | 1.8% |
| Netherlands | 15.4 | 22.7 | 38.1 | 18.7 | 0.7% | 1.0% | 1.5% | 0.7% |
| Belgium & Luxembourg | 11.1 | 13.3 | 20.8 | 51.4 | 0.5% | 0.6% | 0.8% | 1.9% |
| France | 11.8 | 18.8 | 19.2 | 16.5 | 0.5% | 0.8% | 0.7% | 0.6% |
| Italy | 7.3 | 11.2 | 12.9 | 9.9 | 0.3% | 0.5% | 0.5% | 0.4% |
| Portugal | 1.1 | 13.9 | 9.3 | 3.4 | 0.0% | 0.6% | 0.4% | 0.1% |
| Spain | 1.2 | 1.6 | 11.3 | 3.6 | 0.1% | 0.1% | 0.4% | 0.1% |
| Norway | 4.5 | 1.9 | 9.4 | 12.1 | 0.2% | 0.1% | 0.4% | 0.5% |
| Western Europe N.E.S. | 6.8 | 10.7 | 15.6 | 19.8 | 0.3% | 0.5% | 0.6% | 0.7% |
| Total Western Europe | 172.0 | 207.7 | 242.9 | 247.6 | 7.5% | 9.3% | 9.3% | 9.3% |
| United Soviet Socialist Republic | 185.2 | 139.5 | 96.0 | 80.6 | 8.1% | 6.2% | 3.7% | 3.0% |
| East Germany | 20.0 | 18.7 | 8.8 | 2.1 | 0.9% | 0.8% | 0.3% | 0.1% |
| Romania | 10.1 | 3.7 | 1.2 | 0.0 | 0.4% | 0.2% | 0.0% | 0.0% |
| Eastern Europe N.E.S. | 1.1 | 4.9 | 5.3 | 0.1 | 0.0% | 0.2% | 0.2% | 0.0% |
| Total Eastern Europe | 216.4 | 166.8 | 111.3 | 82.8 | 9.4% | 7.5% | 4.3% | 3.1% |
| Saudi Arabia | 12.9 | 15.2 | 26.0 | 12.3 | 0.6% | 0.7% | 1.0% | 0.5% |
| Iraq | 5.9 | 14.5 | 16.7 | 17.2 | 0.3% | 0.6% | 0.6% | 0.6% |
| Iran | 0.0 | 0.0 | 15.6 | 10.3 | 0.0% | 0.0% | 0.6% | 0.4% |
| Egypt | 15.7 | 9.2 | 1.8 | 0.5 | 0.7% | 0.4% | 0.1% | 0.0% |
| Middle East N.E.S. | 23.8 | 14.8 | 12.0 | 9.0 | 1.0% | 0.7% | 0.5% | 0.3% |
| Total Middle East | 58.3 | 53.7 | 72.1 | 55.4 | 2.5% | 2.4% | 2.8% | 2.1% |
| Algeria | 21.4 | 4.8 | 11.0 | 11.5 | 0.9% | 0.2% | 0.4% | 0.4% |
| Other Africa N.E.S. | 8.7 | 11.7 | 9.2 | 9.7 | 0.4% | 0.5% | 0.4% | 0.4% |
| Total Other Africa | 30.1 | 16.6 | 20.2 | 21.3 | 1.3% | 0.7% | 0.8% | 0.8% |
| Japan | 185.2 | 174.1 | 165.5 | 169.5 | 8.1% | 7.8% | 6.3% | 6.3% |
| China | 56.5 | 61.3 | 111.2 | 160.2 | 2.5% | 2.7% | 4.3% | 6.0% |
| South Korea | 4.4 | 15.8 | 25.3 | 11.6 | 0.2% | 0.7% | 1.0% | 0.4% |
| Bangladesh | 7.8 | 8.8 | 12.6 | 5.9 | 0.3% | 0.4% | 0.5% | 0.2% |
| Indonesia | 8.4 | 6.7 | 6.8 | 7.0 | 0.4% | 0.3% | 0.3% | 0.3% |
| India | 32.1 | 10.4 | 1.7 | 17.9 | 1.4% | 0.5% | 0.1% | 0.7% |
| Other Asia N.E.S. | 15.2 | 12.1 | 32.0 | 56.9 | 0.7% | 0.5% | 1.2% | 2.1% |
| Total Other Asia | 309.6 | 289.4 | 355.2 | 429.0 | 13.5% | 12.9% | 13.6% | 16.1% |
| Australia | 16.4 | 4.0 | 2.6 | 7.1 | 0.7% | 0.2% | 0.1% | 0.3% |
| Oceania N.E.S. | 5.5 | 3.3 | 1.9 | 6.6 | 0.2% | 0.1% | 0.1% | 0.2% |
| Total Oceania | 21.9 | 7.2 | 4.5 | 13.7 | 1.0% | 0.3% | 0.2% | 0.5% |
| Brazil | 28.5 | 24.8 | 26.0 | 9.9 | 1.2% | 1.1% | 1.0% | 0.4% |
| Venezuela | 18.4 | 4.9 | 9.5 | 10.1 | 0.8% | 0.2% | 0.4% | 0.4% |
| Peru | 0.5 | 5.2 | 7.1 | 0.9 | 0.0% | 0.2% | 0.3% | 0.0% |
| South America N.E.S. | 1.4 | 5.4 | 8.6 | 9.9 | 0.1% | 0.2% | 0.3% | 0.4% |
| Total South America | 48.8 | 40.3 | 51.2 | 30.7 | 2.1% | 1.8% | 2.0% | 1.1% |
| Cuba | 22.0 | 38.9 | 29.1 | 15.1 | 1.0% | 1.7% | 1.1% | 0.6% |
| Mexico | 10.1 | 19.3 | 20.4 | 18.2 | 0.4% | 0.9% | 0.8% | 0.7% |
| Central America N.E.S. | 8.9 | 11.1 | 11.9 | 14.3 | 0.4% | 0.5% | 0.5% | 0.5% |
| Total Central America | 41.0 | 69.3 | 61.4 | 47.6 | 1.8% | 3.1% | 2.4% | 1.8% |
| Other Countries N.E.S. | 31.1 | 73.4 | 175.8 | 0.0 | 1.4% | 3.3% | 6.7% | 0.0% |
| Grand Total Commodity Exports | 2290.6 | 2234.9 | 2608.0 | 2672.5 | 100.0% | 100.0% | 100.0% | 100.0% |

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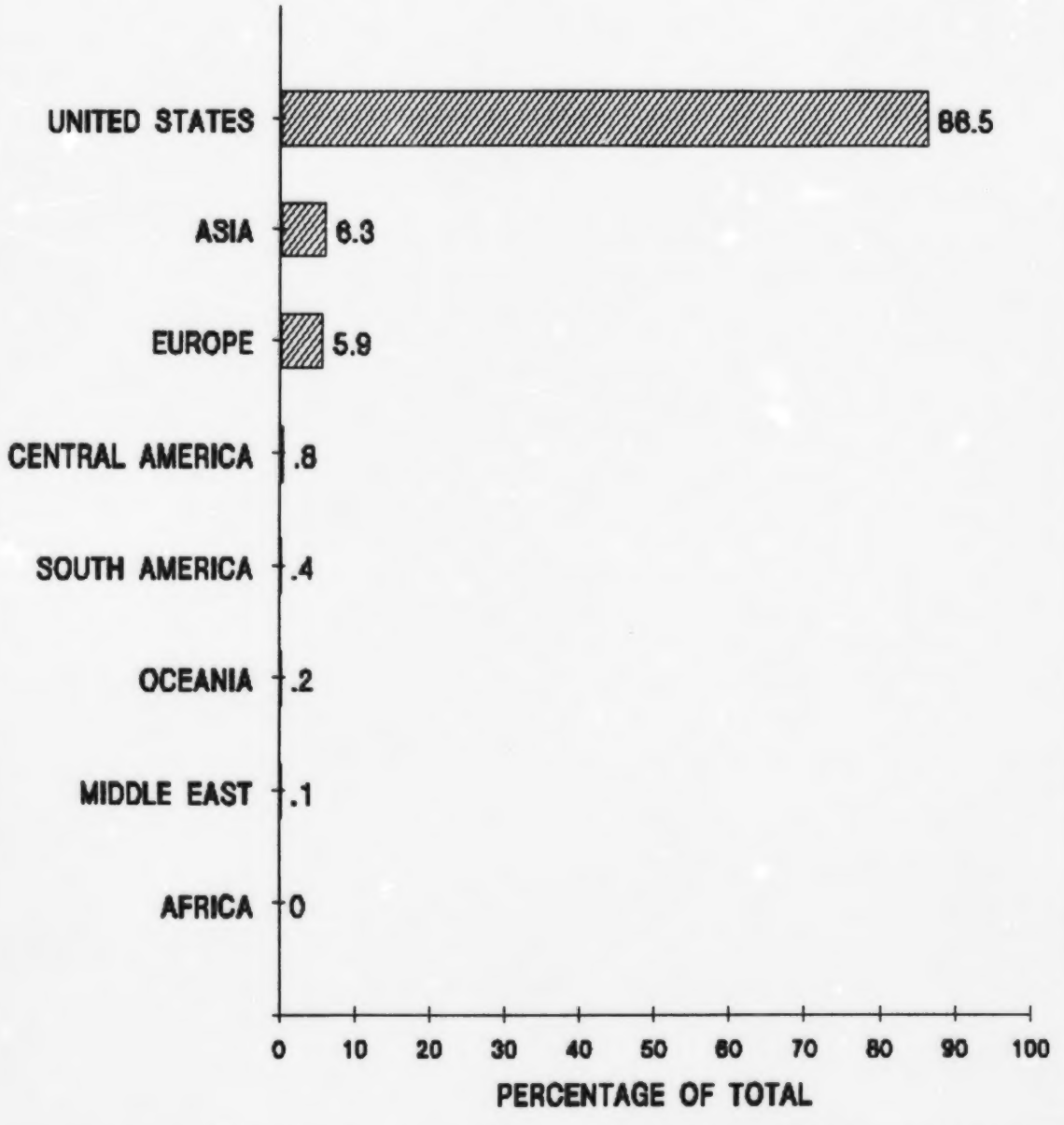
CHART 4

# MANITOBA TOTAL IMPORTS BY REGION
# 1988




MANITOBA BUREAU OF STATISTICS - NOV. 1989 MANITOBA TRADE STATISTICS DATA BASE

Table 4

Merchandise Imports from the Rest of the World, 1985 - 1988

| Country | 1985 | 1986 | 1987 | 1988 | 1985 | 1986 | 1987 | 1988 |
|---|---|---|---|---|---|---|---|---|
| | (Millions of Dollars) | | | | ( Percent of Total ) | | | |
| United States | 2562.6 | 2520.7 | 2612.2 | 2282.1 | 88.4% | 88.3% | 90.2% | 86.5% |
| North America N.E.S. | 0.1 | 0.2 | 0.1 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| North America Total | 2562.7 | 2520.9 | 2612.4 | 2282.2 | 88.4% | 88.3% | 90.2% | 86.5% |
| West Germany | 33.3 | 33.8 | 21.2 | 36.9 | 1.1% | 1.2% | 0.7% | 1.4% |
| United Kingdom | 29.8 | 30.0 | 31.8 | 31.0 | 1.0% | 1.1% | 1.1% | 1.2% |
| Netherlands | 19.0 | 25.8 | 15.2 | 17.7 | 0.7% | 0.9% | 0.5% | 0.7% |
| Belguim & Luxembourg | 6.9 | 4.1 | 7.0 | 10.3 | 0.2% | 0.1% | 0.2% | 0.4% |
| France | 9.3 | 10.5 | 9.5 | 12.2 | 0.3% | 0.4% | 0.3% | 0.5% |
| Italy | 16.8 | 25.4 | 16.2 | 17.5 | 0.6% | 0.9% | 0.6% | 0.7% |
| Portugal | 0.9 | 1.2 | 0.7 | 0.9 | 0.0% | 0.0% | 0.0% | 0.0% |
| Spain | 1.0 | 1.4 | 1.0 | 1.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Norway | 0.8 | 0.6 | 1.1 | 1.1 | 0.0% | 0.0% | 0.0% | 0.0% |
| Western Europe N.E.S. | 15.2 | 16.1 | 20.3 | 18.2 | 0.5% | 0.6% | 0.7% | 0.7% |
| Total Western Europe | 132.8 | 148.8 | 123.9 | 146.8 | 4.6% | 5.2% | 4.3% | 5.6% |
| United Soviet Socialist Republic | 0.4 | 0.1 | 0.1 | 0.3 | 0.0% | 0.0% | 0.0% | 0.0% |
| East Germany | 0.1 | 0.3 | 0.1 | 0.2 | 0.0% | 0.0% | 0.0% | 0.0% |
| Romania | 0.0 | 0.8 | 0.9 | 1.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Eastern Europe N.E.S. | 2.0 | 3.0 | 5.2 | 5.2 | 0.1% | 0.1% | 0.2% | 0.2% |
| Total Eastern Europe | 2.5 | 4.1 | 6.3 | 6.7 | 0.1% | 0.1% | 0.2% | 0.3% |
| Saudi Arabia | 0.2 | 0.3 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Iraq | 0.0 | 0.0 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Iran | 0.1 | 0.0 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Egypt | 0.0 | 0.1 | 0.4 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Middle East N.E.S. | 0.4 | 1.0 | 1.3 | 1.8 | 0.0% | 0.0% | 0.0% | 0.1% |
| Total Middle East | 0.7 | 1.3 | 1.7 | 1.8 | 0.0% | 0.0% | 0.1% | 0.1% |
| Algeria | 0.0 | 0.0 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Other Africa N.E.S. | 0.4 | 0.4 | 0.1 | 0.9 | 0.0% | 0.0% | 0.0% | 0.0% |
| Total Other Africa | 0.4 | 0.4 | 0.1 | 0.9 | 0.0% | 0.0% | 0.0% | 0.0% |
| Japan | 92.8 | 60.7 | 29.3 | 65.1 | 3.2% | 2.1% | 1.0% | 2.5% |
| China | 3.4 | 3.9 | 7.5 | 11.1 | 0.1% | 0.1% | 0.3% | 0.4% |
| South Korea | 20.5 | 23.7 | 31.1 | 29.4 | 0.7% | 0.8% | 1.1% | 1.1% |
| Bangladesh | 0.9 | 0.5 | 0.9 | 0.5 | 0.0% | 0.0% | 0.0% | 0.0% |
| Indonesia | 0.7 | 1.2 | 0.5 | 3.1 | 0.0% | 0.0% | 0.0% | 0.1% |
| India | 0.8 | 1.1 | 0.4 | 1.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Other Asia N.E.S. | 39.3 | 50.5 | 54.1 | 54.7 | 1.4% | 1.8% | 1.9% | 2.1% |
| Total Other Asia | 158.3 | 141.4 | 123.7 | 165.0 | 5.5% | 5.0% | 4.3% | 6.3% |
| Australia | 1.1 | 1.6 | 0.8 | 3.8 | 0.0% | 0.1% | 0.0% | 0.1% |
| Oceania N.E.S. | 0.7 | 0.8 | 0.9 | 1.2 | 0.0% | 0.0% | 0.0% | 0.0% |
| Total Oceania | 1.8 | 2.4 | 1.7 | 5.1 | 0.1% | 0.1% | 0.1% | 0.2% |
| Brazil | 5.7 | 4.5 | 3.2 | 4.9 | 0.2% | 0.2% | 0.1% | 0.2% |
| Venezuela | 0.1 | 0.0 | 0.0 | 0.1 | 0.0% | 0.0% | 0.0% | 0.0% |
| Peru | 0.6 | 0.4 | 0.4 | 0.2 | 0.0% | 0.0% | 0.0% | 0.0% |
| South America N.E.S. | 8.0 | 12.6 | 7.6 | 5.1 | 0.3% | 0.4% | 0.3% | 0.2% |
| Total South America | 14.3 | 17.5 | 11.2 | 10.2 | 0.5% | 0.6% | 0.4% | 0.4% |
| Cuba | 0.0 | 0.0 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Mexico | 7.4 | 5.6 | 6.6 | 12.3 | 0.3% | 0.2% | 0.2% | 0.5% |
| Central America N.E.S. | 18.8 | 11.9 | 8.2 | 8.7 | 0.6% | 0.4% | 0.3% | 0.3% |
| Total Central America | 26.2 | 17.5 | 14.8 | 21.0 | 0.9% | 0.6% | 0.5% | 0.8% |
| Other Countries N.E.S. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0% | 0.0% | 0.0% | 0.0% |
| Grand Total Commodity Imports | 2899.6 | 2854.2 | 2895.7 | 2639.8 | 100.0% | 100.0% | 100.0% | 100.0% |

Manitoba Bureau of Statistics, November, 1989

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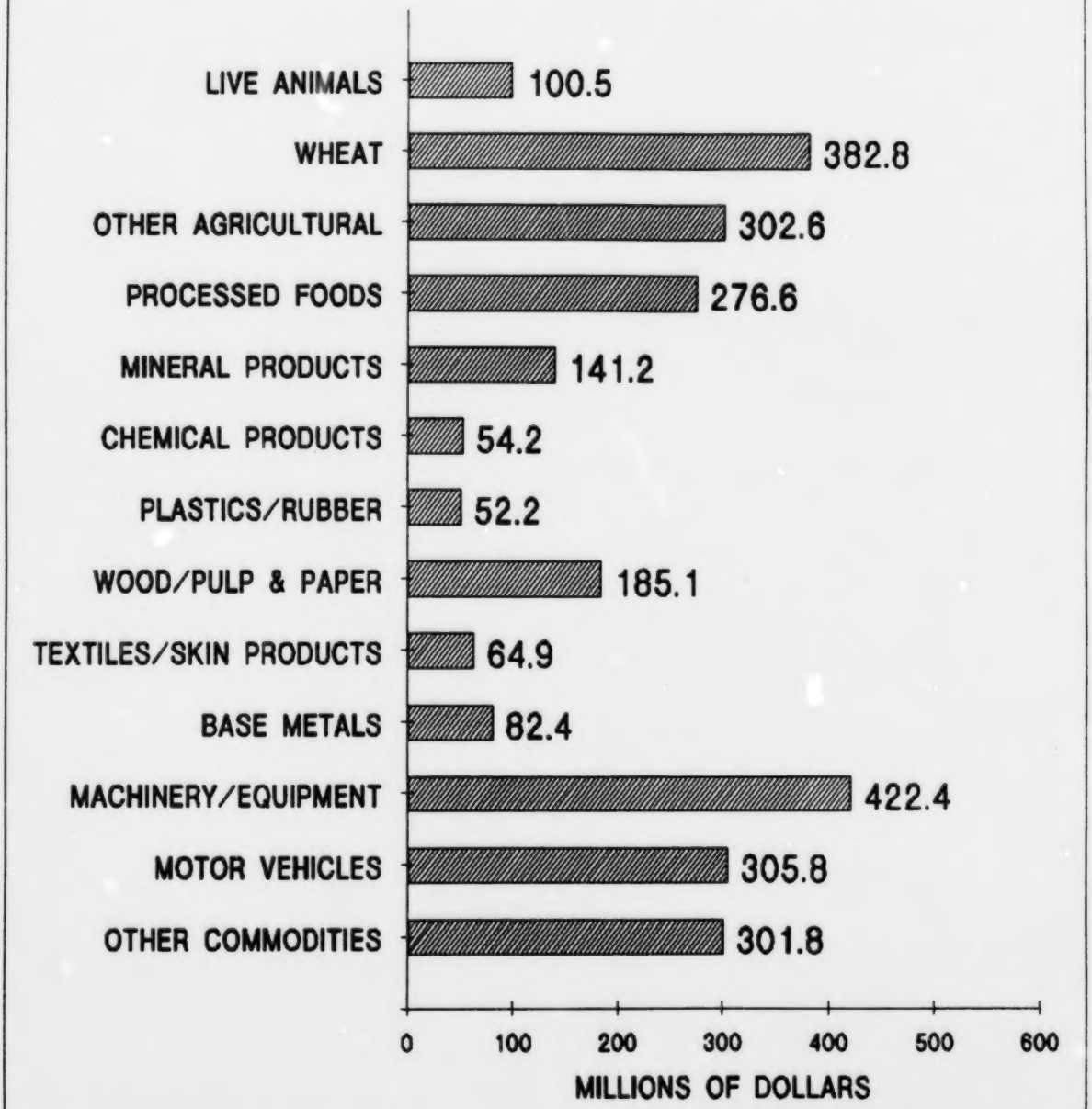
## CHART 5
## MANITOBA FOREIGN EXPORTS BY COMMODITY
## 1988




MANITOBA BUREAU OF STATISTICS - NOV. 1989 MANITOBA TRADE STATISTICS DATA BASE

Table 5 (a)
Manitoba Foreign Exports, by selected Commodity groups, 1988

| Commodity Groups | ( $ 000,000 ) | | Pcnt. of Total | |
|---|---|---|---|---|
| Live Animals, Animal Products | 100.5 | | 3.8% | |
| Live bovine animals | | 58.5 | | 2.2% |
| Live swine | | 31.1 | | 1.2% |
| Live poultry, domestic fowls, ducks, geese, turkeys and guinea fowls | | 1.9 | | 0.1% |
| Honey, natural (raw) | | 7.1 | | 0.3% |
| Vegetable Products | 684.9 | | 25.6% | |
| Potatoes, fresh or chilled | | 1.3 | | 0.0% |
| Vegetables, leguminous dried, shelled | | 45.3 | | 1.7% |
| Wheat and meslin | | 382.8 | | 14.3% |
| Rye | | 2.4 | | 0.1% |
| Barley | | 37.9 | | 1.4% |
| Oats | | 9.9 | | 0.4% |
| Maize (corn) | | 1.2 | | 0.0% |
| Buckwheat, millet and canary seed; other cereals | | 8.8 | | 0.3% |
| Linseed | | 78.7 | | 2.9% |
| Rape or colza seeds | | 82.2 | | 3.1% |
| Seeds, fruit and spores, for sowing | | 17.9 | | 0.7% |
| Agricultural Exports nes | 0.5 | | 0.0% | |
| TOTAL AGRICULTURAL EXPORTS | 785.9 | | 29.4% | |
| Animal Products | 128.7 | | 4.8% | |
| Meat of swine, fresh, chilled or frozen | | 56.3 | | 2.1% |
| Meat of bovine animals | | 11.1 | | 0.4% |
| Fish, fresh or chilled, excluding fish fillets | | 13.1 | | 0.5% |
| Fish, frozen, excluding fish fillets | | 9.6 | | 0.4% |
| Fish fillets, fresh, chilled or frozen | | 25.7 | | 1.0% |
| Honey, natural (pasteurized) | | 2.0 | | 0.1% |
| Vegetable Products | 25.1 | | 0.9% | |
| Wheat or meslin flour | | 2.7 | | 0.1% |
| Cereal grouts, meal and pellets | | 1.2 | | 0.0% |
| Malt, whether or not roasted | | 3.5 | | 0.1% |
| Flour and meals of oil seeds | | 10.3 | | 0.4% |
| Animal and Vegetable Fats, Oils, and Waxes | 81.3 | | 3.0% | |
| Rape, colza and mustard oil | | 79.4 | | 3.0% |
| Prepared Foodstuffs, Beverages, Spirits, and Tobacco | 41.5 | | 1.6% | |
| Mineral Products | 141.2 | | 5.3% | |
| Peat moss | | 11.8 | | 0.4% |
| Petroleum oils, crude | | 50.7 | | 1.9% |
| Petroleum oils other than crude | | 29.1 | | 1.1% |
| Petroleum gases | | 10.1 | | 0.4% |
| Electrical energy | | 20.5 | | 0.8% |
| Products of the Chemical or allied Industries | 54.2 | | 2.0% | |
| Cobalt oxides and hydroxides; commercial cobalt oxides | | 10.1 | | 0.4% |
| Mineral or chemical fertilizers, nitrogenous | | 14.6 | | 0.5% |
| Mineral or chemical fertilizers, potassic | | 14.2 | | 0.5% |

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Notes: (1) The major commodity headings are based on the twenty-one Harmonized System (HS) Sections.

(2) Sub-headings based on the Harmonized System 2 and 4 digit level of detail.

continued...

Table 5 (a) concluded
Manitoba Foreign Exports, by selected Commodity groups, 1988

| Commodity Groups | ( $ 000,000 ) | | Pcnt. of Total | |
|---|---|---|---|---|
| Plastics, Rubber, and articles thereof | 52.2 | | 2.0% | |
| Plastics and articles thereof | | 50.6 | | 1.9% |
| Raw Hides & Skins, Leather, Furskins, and articles thereof | 20.9 | | 0.8% | |
| Wood and articles of Wood, Charcoal, Cork, Basketware | 51.9 | | 1.9% | |
| Pulp and Paper Products, Scrap and Semi-processed Materials | 133.2 | | 5.0% | |
| Chemical wood pulp, soda or sulphate, other than dissolving grades | | 10.0 | | 0.4% |
| Newsprint, in rolls or sheets | | 42.3 | | 1.6% |
| Uncoated paper and paperboard | | 59.4 | | 2.2% |
| Printed books, newspapers, and products of the printing industry | | 14.1 | | 0.5% |
| Textiles and Textile articles | 43.7 | | 1.6% | |
| Footwear, Headgear, Umbrellas, Feathers, Human Hair, etc. | 0.3 | | 0.0% | |
| Articles of Stone, Plaster, Cement, Ceramic, Glass, etc. | 5.7 | | 0.2% | |
| Pearls, Jewels, Stones, Coins, etc. | 3.5 | | 0.1% | |
| Base Metals and articles of Base Metal | 82.4 | | 3.1% | |
| Iron and Steel | | 40.3 | | 1.5% |
| Articles of Iron and Steel | | 13.7 | | 0.5% |
| Aluminum and articles thereof | | 15.6 | | 0.6% |
| Machinery, Mechanical and Electrical Appliances and Equipment | 422.4 | | 15.8% | |
| Internal Combustion engines and parts | | 3.2 | | 0.1% |
| Turbo-jets, turbo-propellers and other gas turbines | | 19.5 | | 0.7% |
| Engines and motors, nes | | 13.8 | | 0.5% |
| Pumps for liquids, liquid elevators | | 7.9 | | 0.3% |
| Air or vacuum pumps & air compression pumps | | 5.6 | | 0.2% |
| Parts suitable for Heavy Equipment | | 11.2 | | 0.4% |
| Agricultural, horticultural or forest machinery for soil preparation | | 12.8 | | 0.5% |
| Harvesting machinery, hay movers; machines for grading eggs, fruit, etc. | | 23.0 | | 0.9% |
| Agricultural, forestry, bee keeping machinery, poultry incubators, etc. | | 8.9 | | 0.3% |
| Machines for cleaning/sorting seed, milling industry machines | | 2.6 | | 0.1% |
| Automatic data process machines, optical readers, etc. | | 153.9 | | 5.8% |
| Parts & accessories for typewriters, calculators, computers, etc. | | 63.5 | | 2.4% |
| Electrical transformers, static converters & inductors | | 11.9 | | 0.4% |
| Electrical apparatus for line telephony/telegraphy | | 25.4 | | 1.0% |
| Insulated wire/cable | | 6.6 | | 0.2% |
| Vehicles, Aircraft, Vessels & associated transport Equipment | 305.8 | | 11.4% | |
| Tractors, other than public works type tractors | | 81.3 | | 3.0% |
| Bodies (including cabs), for motor vehicles | | 67.6 | | 2.5% |
| Parts & access for motor vehicles | | 32.0 | | 1.2% |
| Parts for aircraft, spacecraft, gliders, balloons, etc. | | 88.6 | | 3.3% |
| Precision Instruments, Clocks, Musical Instruments | 3.6 | | 0.1% | |
| Arms and Ammunition; Parts & accessories thereof | 2.5 | | 0.1% | |
| Miscellaneous Manufactured articles | 34.8 | | 1.3% | |
| Furniture | | 30.3 | | 1.1% |
| Works of Art, Collectors Pieces and Antiques | 1.1 | | 0.0% | |
| Special Classification Provisions & Special Transaction-Trade | 23.8 | | 0.9% | |
| Confidential and Low Value Exports | 226.9 | | 8.5% | |
| TOTAL NON-AGRICULTURAL EXPORTS | 1886.5 | | 70.6% | |
| GRAND TOTAL COMMODITY EXPORTS | 2672.5 | | 100.0% | |

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Notes: (1) The major commodity headings are based on the twenty-one Harmonized System (HS) Sections.

(2) The sub-headings are based on the Harmonized System 2 and 4 digit level of detail.

Table 5 (b)
Manitoba Exports to the Rest of the World, by Commodity, 1981 - 1987

| (Millions of Dollars) | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 |
|---|---|---|---|---|---|---|---|
| Live Animals | 35.4 | 71.2 | 51.9 | 96.8 | 76.5 | 52.2 | 58.5 |
| Food, Feed, Beverage and Tobacco | 528.3 | 699.9 | 769.1 | 810.0 | 686.9 | 710.1 | 773.7 |
| Fish and Fish Products | 35.6 | 37.3 | 35.9 | 41.5 | 39.5 | 47.1 | 48.5 |
| Barley | 101.6 | 119.0 | 99.9 | 74.3 | 61.7 | 101.9 | 74.3 |
| Wheat | 296.9 | 445.2 | 527.0 | 538.6 | 445.0 | 395.4 | 435.6 |
| Wheat Flour | 3.8 | 0.4 | 1.1 | 1.5 | 1.9 | 3.4 | 1.9 |
| Other Cereals Unmilled | 17.2 | 14.5 | 20.7 | 51.1 | 13.3 | 11.2 | 14.3 |
| Other Cereal Preparations | 0.6 | 1.8 | 1.5 | 2.1 | 2.5 | 2.6 | 4.8 |
| Meat and Meat Preparations | 28.7 | 37.5 | 37.7 | 53.5 | 67.4 | 80.5 | 88.1 |
| Alcoholic Beverages | 5.7 | 5.2 | 5.6 | 5.7 | 6.8 | 7.3 | 8.5 |
| Other Food, Feed, Beverage and Tobacco | 38.1 | 38.9 | 39.7 | 41.9 | 48.9 | 60.9 | 97.8 |
| Crude Materials, Inedible | 245.8 | 202.4 | 279.4 | 235.1 | 326.9 | 299.0 | 311.6 |
| Rapeseed | 58.1 | 52.9 | 65.3 | 82.0 | 74.3 | 70.1 | 80.7 |
| Other Crude Vegetable Products | 132.8 | 97.0 | 127.5 | 114.3 | 157.3 | 135.4 | 120.1 |
| Iron Ores, Concentrates and Scrap | 0.4 | 0.4 | 0.2 | 0.3 | 0.4 | 1.7 | 1.5 |
| Copper Ores, Concentrates and Scrap | 0.6 | 0.9 | 1.1 | 1.6 | 1.8 | 2.3 | 3.8 |
| Nickel Ores, Concentrates and Scrap | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| Zinc Ores, Concentrates and Scrap | 1.4 | 0.6 | 0.4 | 1.3 | 0.8 | 0.5 | 0.5 |
| Other Ores, Concentrates and Scrap | 25.1 | 9.8 | 5.4 | 5.0 | 6.7 | 8.8 | 9.7 |
| Crude Petroleum | 6.8 | 19.3 | 59.6 | 5.8 | 57.7 | 48.8 | 34.7 |
| Asbestos Un-manufactured | 0.0 | 0.0 | 0.0 | 0.2 | 0.3 | 0.0 | 0.0 |
| Other Crude Animal Products | 8.7 | 7.3 | 3.6 | 7.9 | 9.4 | 7.0 | 11.2 |
| Other Crude Wood and Non-metallic Mineral Products | 1.1 | 0.6 | 0.9 | 1.3 | 2.2 | 2.2 | 4.1 |
| Other Crude Materials Inedible | 10.7 | 13.2 | 15.3 | 15.4 | 16.5 | 22.1 | 25.3 |
| Fabricated Materials, Inedible | 432.8 | 377.1 | 445.1 | 497.7 | 595.0 | 642.5 | 655.2 |
| Lumber | 46.2 | 46.9 | 48.0 | 68.0 | 86.1 | 89.5 | 60.9 |
| Other Wood Fabricated Materials | 1.2 | 1.3 | 2.0 | 4.0 | 4.7 | 4.3 | 4.1 |
| Wood Pulp and Similar Pulp | 13.4 | 4.3 | 5.7 | 9.8 | 7.8 | 2.8 | 1.7 |
| Newsprint Paper | 47.6 | 34.6 | 30.2 | 46.5 | 55.2 | 69.5 | 63.1 |
| Other Paper and Paperboard | 9.6 | 12.8 | 13.4 | 14.1 | 20.3 | 43.1 | 54.3 |
| Inorganic Chemicals | 0.5 | 8.4 | 14.4 | 16.9 | 18.8 | 20.4 | 14.8 |
| Organic Chemicals | 20.9 | 0.7 | 1.0 | 2.0 | 1.7 | 2.5 | 4.9 |
| Fertilizers and Fertilizer Materials | 12.3 | 8.7 | 7.0 | 9.5 | 12.2 | 11.6 | 9.6 |
| Synthetic Rubber and Plastic | 6.2 | 7.7 | 8.5 | 14.0 | 25.2 | 27.1 | 33.2 |
| Other Chemical Products | 1.7 | 1.7 | 1.2 | 2.9 | 3.8 | 2.5 | 1.5 |
| Petroleum and Coal Products | 57.4 | 64.1 | 103.3 | 58.9 | 82.9 | 61.9 | 48.5 |
| Steel Bars, Rods, Plates, and Sheets | 14.1 | 10.1 | 7.2 | 9.9 | 28.6 | 21.7 | 22.2 |
| Other Iron and Steel Alloys | 1.5 | 8.6 | 10.4 | 20.7 | 1.4 | 2.2 | 3.1 |
| Copper and Alloys | 0.1 | 0.5 | 0.3 | 0.5 | 1.4 | 0.5 | 0.6 |
| Aluminum Including Alloys | 0.0 | 7.5 | 0.1 | 0.1 | 0.0 | 3.5 | 0.1 |
| Nickel and Alloys | 48.4 | 37.6 | 42.0 | 42.2 | 31.2 | 73.0 | 176.2 |
| Precious Metals and Alloys | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Zinc and Alloys | 33.7 | 22.4 | 23.0 | 30.9 | 20.9 | 23.3 | 18.9 |
| Other Non-ferrous Metals and Alloys | 0.4 | 0.9 | 3.5 | 0.7 | 0.3 | 0.9 | 0.3 |
| Metal Fabricated Basic Products | 8.8 | 9.9 | 12.8 | 19.4 | 19.1 | 16.3 | 12.6 |
| Electricity | 92.6 | 73.8 | 91.4 | 94.5 | 96.2 | 111.0 | 65.1 |
| Textile Fabricated Products | 1.9 | 0.4 | 1.1 | 1.6 | 2.3 | 1.2 | 1.5 |
| Non-metallic Mineral Basic Products | 1.3 | 4.2 | 5.6 | 9.7 | 14.6 | 11.9 | 7.9 |
| Other Fabricated Materials | 12.9 | 10.1 | 13.0 | 20.9 | 60.1 | 41.7 | 49.9 |
| End Products, Inedible | 544.8 | 532.7 | 516.1 | 638.8 | 582.5 | 505.9 | 784.9 |
| Industrial Machinery | 18.3 | 21.2 | 23.2 | 33.9 | 41.3 | 32.6 | 37.3 |
| Agricultural Machinery including Tractors | 201.5 | 176.0 | 123.8 | 194.0 | 106.9 | 68.2 | 95.5 |
| Passenger Auto and Chassis | 0.6 | 0.3 | 0.4 | 0.5 | 0.5 | 0.2 | 0.2 |
| Trucks and Other Motor Vehicles | 58.5 | 50.6 | 43.5 | 47.0 | 15.9 | 7.7 | 11.8 |
| Motor Vehicle Parts, including Engines and Parts | 81.6 | 74.2 | 74.4 | 80.4 | 96.6 | 67.0 | 108.1 |
| Television, Telecommunication Equipment | 9.8 | 23.8 | 32.6 | 34.9 | 30.9 | 19.9 | 18.3 |
| Aircraft, including Engines and Parts | 64.4 | 82.8 | 79.4 | 80.5 | 103.0 | 105.9 | 118.9 |
| Other Transportation Equipment | 0.1 | 0.9 | 1.3 | 6.1 | 2.2 | 3.4 | 8.6 |
| Other Machines and Equipment | 28.2 | 42.4 | 73.4 | 66.7 | 76.4 | 66.1 | 223.3 |
| Other Equipment and Tools | 11.1 | 22.5 | 22.4 | 28.3 | 36.4 | 53.3 | 69.9 |
| Other Consumer Goods | 20.3 | 22.0 | 22.3 | 25.5 | 29.4 | 34.6 | 56.1 |
| Other End Products, Inedible | 50.4 | 16.0 | 19.3 | 41.1 | 43.0 | 47.0 | 36.9 |
| Special Transactions, Trade | 4.5 | 5.1 | 5.0 | 15.0 | 22.9 | 25.3 | 24.2 |
| Total Exports | 1791.6 | 1888.5 | 2066.7 | 2293.4 | 2290.6 | 2234.9 | 2608.0 |

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Note: (1) The commodity groupings are based on the Export Commodity Classification (XCC) codes.

Table 6
Manitoba Foreign Exports, by commodity, 1988
Top fifty export commodity groups

| Commodity Groups | ($000,000) | Pcnt. of Total |
|---|---|---|
| Wheat | 382.8 | 14.3% |
| Automatic data process machinery, optical readers, etc. | 153.9 | 5.8% |
| Parts for gliders, ballons, aircraft, spacecraft, etc. | 88.6 | 3.3% |
| Rape or colza seeds, | 82.2 | 3.1% |
| Tractors, excluding public works type tractors | 81.3 | 3.0% |
| Rape, colza or mustard oil | 79.4 | 3.0% |
| Linseed, whether or not broken | 78.7 | 2.9% |
| Bodies (including cabs), for motor vehicles | 67.6 | 2.5% |
| Parts & accessories for calculators, typewriters, computers, and office machines | 63.5 | 2.4% |
| Live bovine animals | 58.5 | 2.2% |
| Commodities 1 - 10 | 1136.6 | 42.5% |
| Meat of swine, fresh, chilled or frozen | 56.3 | 2.1% |
| Uncoated kraft paper & paperboard, other than writing and tissue | 54.1 | 2.0% |
| Petroleum oils, crude | 50.7 | 1.9% |
| Wood sawn or chipped lengthwise, sliced or peeled | 46.0 | 1.7% |
| Vegetables, leguminous dried, shelled | 45.3 | 1.7% |
| Newsprint, in rolls or sheets | 42.3 | 1.6% |
| Barley | 37.9 | 1.4% |
| Parts & accessories for motor vehicles | 32.0 | 1.2% |
| Live swine | 31.1 | 1.2% |
| Angles, shapes and sections of iron or non-alloy steel | 29.4 | 1.1% |
| Commodities 11 - 20 | 425.1 | 15.9% |
| Furniture and parts thereof, excluding seats and medical furniture | 29.3 | 1.1% |
| Petroleum oils other than crude | 29.1 | 1.1% |
| Fish fillets, fresh, chilled or frozen | 25.7 | 1.0% |
| Electrical apparatus for line telephony/telegraphy | 25.4 | 1.0% |
| Harvesting machinery, hay movers, machinery for grading eggs, fruit, etc | 23.0 | 0.9% |
| Plates, sheets, film, foil and strip, of plastics, nes | 22.3 | 0.8% |
| Flax, raw or processed but not spun | 20.7 | 0.8% |
| Repairs | 20.6 | 0.8% |
| Electrical energy | 20.5 | 0.8% |
| Turbo-jets, turbo-propellers and other gas turbines | 19.5 | 0.7% |
| Commodities 21 - 30 | 236.1 | 8.8% |
| Plastic articles for conveyance of goods, stoppers, lids,caps etc. | 18.8 | 0.7% |
| Seeds, fruit and spores, for sowing | 17.9 | 0.7% |
| Parts of railway or tramway locomotives or rolling-stock | 15.7 | 0.6% |
| Mineral or chemical fertilizers, nitrogenous | 14.6 | 0.5% |
| Mineral or chemical fertilizers, potassic | 14.2 | 0.5% |
| Engines and motors, nes | 13.8 | 0.5% |
| Fish, fresh or chilled, excluding fish fillets | 13.1 | 0.5% |
| Agricultural, hortic or forest machinery for soil preperation | 12.8 | 0.5% |
| Electrical transformers, static converters & inductors | 11.9 | 0.4% |
| Vegetables nes, preserved and frozen | 11.9 | 0.4% |
| Commodities 31 - 40 | 144.5 | 5.4% |
| Peat Moss | 11.8 | 0.4% |
| Parts suitable for use solely or principally with heavy equipment | 11.2 | 0.4% |
| Flour and meals of oil seeds | 10.3 | 0.4% |
| Petroleum gases and other gaseous hydrocarbons | 10.1 | 0.4% |
| Cobalt oxides and hydroxides; commercial cobalt oxides | 10.1 | 0.4% |
| Chemical wood pulp, soda or sulphate, other than dissolving grades | 10.0 | 0.4% |
| Oats | 9.9 | 0.4% |
| Sulphur | 9.8 | 0.4% |
| Fish, frozen, excluding fish fillets | 9.6 | 0.4% |
| Oil seeds and oleaginous fruits nes | 9.5 | 0.4% |
| Commodities 41 - 50 | 102.3 | 3.8% |
| All other Commodity Exports | 627.9 | 23.5% |
| GRAND TOTAL COMMODITY EXPORTS | 2672.5 | 100.0% |

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Notes: (1) The commodity groups are classified at the four digit level, Harmonized System

(2) The ranking excludes $226.9 million of unclassifiable exports (8.5%)

Table 7 (a)
Manitoba Foreign Imports, by selected Commodity groups, 1988

| Commodity Group | ($ 000,000) | Pcnt. of Total |
|---|---|---|
| Live Animals; Animal Products | 28.9 | 1.1% |
| Live animals | 1.9 | 0.1% |
| Meat and edible meat offal | 12.3 | 0.5% |
| Vegetable Products | 102.2 | 3.9% |
| Edible vegetables and certain roots and tubers. | 25.5 | 1.0% |
| Edible fruit and nuts; peel of citrus fruit or melons. | 36.7 | 1.4% |
| Cereals | 10.4 | 0.4% |
| Oil seed, oleagi fruits; miscell grain, seed, fruit etc. | 16.5 | 0.6% |
| Animal and Vegetable Fats, Oils, and Waxes | 2.2 | 0.1% |
| Prepared Foodstuffs, Beverages, Spirits, and Tobacco | 123.8 | 4.7% |
| Prep of meat, fish or crustaceans, molluscs etc. | 17.7 | 0.7% |
| Beverages, spirits and vinegar | 11.8 | 0.4% |
| Residues & waste from the food industry; prepared animal fodder | 60.1 | 2.3% |
| Mineral Products | 50.8 | 1.9% |
| Mineral fuels, oils & products of their distillation | 42.9 | 1.6% |
| Products of the Chemical or Allied Industries | 199.4 | 7.6% |
| Inorganic chemicals; compounds of precious metals, radioactive elements etc. | 24.3 | 0.9% |
| Organic chemicals | 68.3 | 2.6% |
| Fertilisers | 19.9 | 0.8% |
| Insecticides, fungicides, herbicides etc. packed for retail sale | 51.8 | 2.0% |
| Plastics, Rubber, and articles thereof | 133.4 | 5.1% |
| Plastics and articles thereof. | 97.6 | 3.7% |
| New pneumatic tires, of rubber | 23.9 | 0.9% |
| | | 0.0% |
| Raw Hides & Skins, Leather, Furskins, and articles thereof | 60.1 | 2.3% |
| Wood and articles of Wood, Charcoal, Cork, Basketware | 38.4 | 1.5% |
| Wood sawn or chipped lengthwise, sliced or peeled | 21.1 | 0.8% |
| Pulp and Paper Products, Scrap and Semi-processed Materials | 162.7 | 6.2% |
| Chemical wood pulp, soda or sulphate, other than dissolving grades | 12.5 | 0.5% |
| Paper & paperboard, articles of paper pulp, of paper or of paperboard | 62.8 | 2.4% |
| Newspapers, journals & periodicals | 74.7 | 2.8% |
| Textiles and Textile articles | 109.3 | 4.1% |
| Man-made staple fibres. | 10.4 | 0.4% |
| Jerseys, pullovers, cardigans, waistcoats etc., knitted or crocheted | 13.5 | 0.5% |
| Articles of apparel & clothing accessories, not knitted or crocheted | 29.6 | 1.1% |
| Footwear, Headgear, Umbrellas, Feathers, Human Hair, etc. | 5.7 | 0.2% |
| Articles of Stone, Plaster, Cement, Ceramic, Glass, etc. | 22.5 | 0.9% |

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Notes: (1) The major commodity headings are based on the twenty-one Harmonized System (HS) Sections.

(2) The sub-headings are based on the Harmonized System 2 and 4 digit level of detail.

continued...

CHART 6

# MANITOBA FOREIGN IMPORTS BY COMMODITY 1988

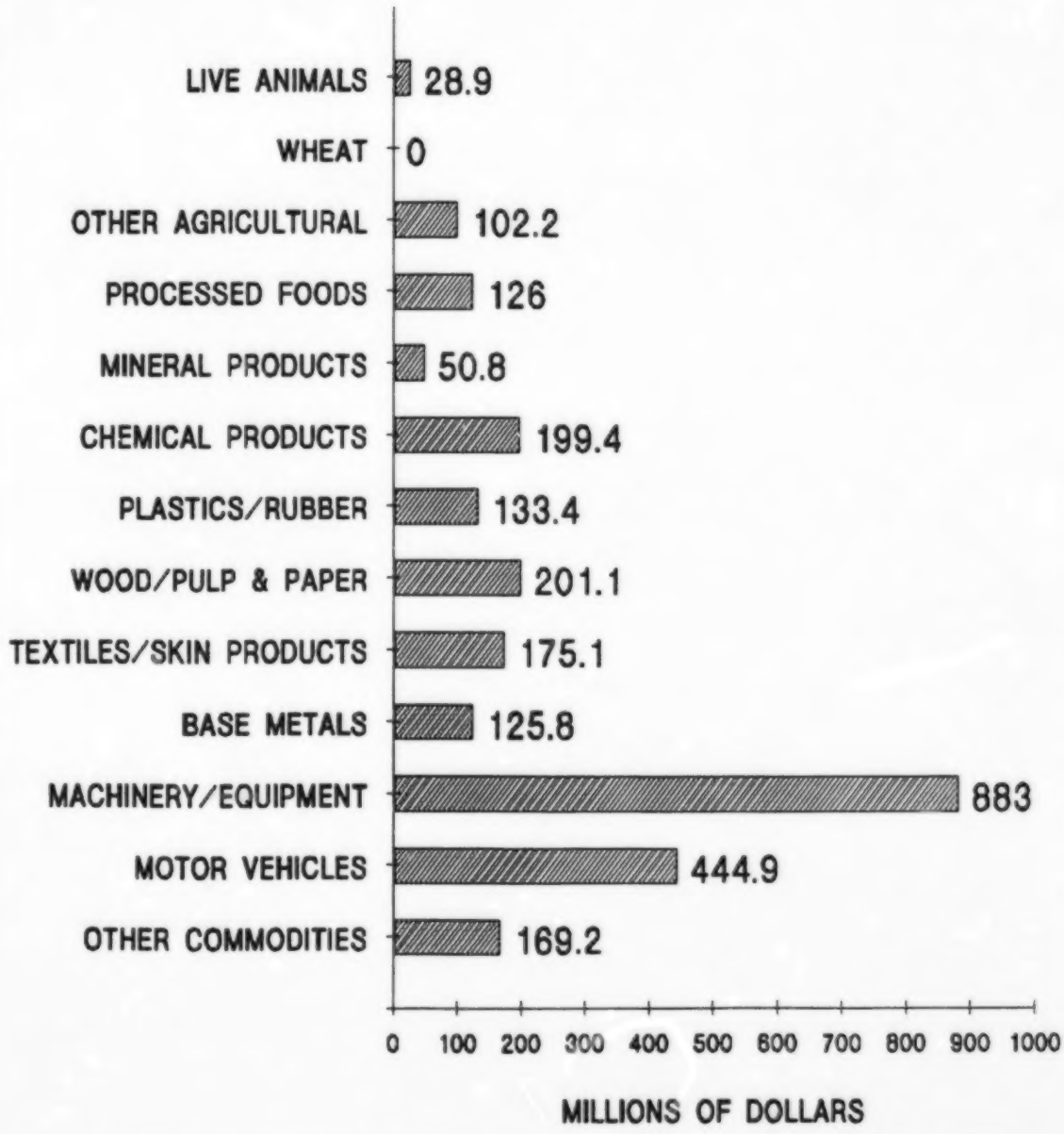


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Table 7 (a) concluded
Manitoba Foreign Imports, by selected Commodity groups, 1988

| | ($ 000,000) | | Pcnt. of Total | |
|---|---|---|---|---|
| Pearls, Jewels, Stones, Coins, etc. | 2.8 | | 0.1% | |
| Base Metals and articles of Base Metal | 125.8 | | 4.8% | |
| Iron and steel. | | 27.3 | | 1.0% |
| Articles of Iron or Steel. | | 48.8 | | 1.8% |
| Aluminium and articles thereof. | | 24.3 | | 0.9% |
| Machinery,mechanical and Electrical Appliances and Equipment | 883.0 | | 33.5% | |
| Spark-ignition reciprocating or rotary internal combustion piston engines | | 14.7 | | 0.6% |
| Compression-ignition internal combustion piston engines | | 20.3 | | 0.8% |
| Parts suitable for use solely or principally with piston engines | | 21.2 | | 0.8% |
| Turbo-jets, turbo-propellers and other gas turbines | | 86.0 | | 3.3% |
| Pumps for liquids, w/n fitted with a measuring device: liquid elevators | | 13.4 | | 0.5% |
| Refrigerators and freezers: heat pumps | | 12.5 | | 0.5% |
| Self-propelled bulldozers, graders, shovel loaders, etc. | | 45.9 | | 1.7% |
| Parts suitable for use solely or principally with heavy equipment | | 32.2 | | 1.2% |
| Agricultural machinery for soil preperation or cultivation | | 18.5 | | 0.7% |
| Harvesting, threshing, egg grading, fruit machinery, etc. | | 67.4 | | 2.6% |
| Automatic data processing, optical readers, data transcription equipment, etc. | | 119.7 | | 4.5% |
| Typewriter, calculator, computer, and office equipment parts and accessories | | 106.6 | | 4.0% |
| Ball or roller bearings | | 12.3 | | 0.5% |
| Transmission shafts & cranks, bearing housing: gearing: ball screws: etc. | | 21.7 | | 0.8% |
| Electrical machinery equipment and parts thereof: sound recorder etc. | | 107.2 | | 4.1% |
| Vehicles, Aircraft, Vessels & Associated Transport Equipment | 444.9 | | 16.9% | |
| Railway/tramway locomotives, rolling-stock & parts thereof: etc. | | 11.2 | | 0.4% |
| Tractors | | 51.6 | | 2.0% |
| Public-transport type passenger motor vehicles | | 42.0 | | 1.6% |
| Motor vehicles principally designed for private transportation of persons | | 146.3 | | 5.5% |
| Motor vehicles for the transport of goods | | 81.3 | | 3.1% |
| Parts & access for the motor vehicles | | 62.7 | | 2.4% |
| Trailers & semi-trailers: other vehicles not mechanically propelled: parts | | 12.1 | | 0.5% |
| Parts for aircraft, balloons, spacecraft, etc. | | 22.2 | | 0.8% |
| Precision Instruments, Clocks, Musical Instruments | 37.1 | | 1.4% | |
| Optical, photographic, cinematographic, measuring, medical, etc. | | 33.1 | | 1.3% |
| Arms and Ammunition: Parts & Accessories Thereof | 5.4 | | 0.2% | |
| Miscellaneous Manufactured articles | 36.2 | | 1.4% | |
| Works of Art, Collectors Pieces and Antiques | 2.1 | | 0.1% | |
| Special Classification Provisions & Special Transaction-Trade | 63.0 | | 2.4% | |
| GRAND TOTAL COMMODITY IMPORTS | 2639.8 | | 100.0% | |

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Notes: (1) The major commodity headings are based on the twenty-one Harmonized System (HS) Sections.

(2) The sub-headings are based on the Harmonized System 2 and 4 digit level of detail.

Table 7 (b)

Manitoba Imports from the Rest of the World, by Commodity, 1981 - 1987

| (Millions Of Current Dollars) | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 |
|---|---|---|---|---|---|---|---|
| Live Animals | 9.1 | 4.7 | 2.7 | 2.8 | 3.3 | 3.6 | 3.2 |
| Food, Feed, Beverage and Tobacco | 169.9 | 180.3 | 182.4 | 216.4 | 218.9 | 228.4 | 210.2 |
| Meat and Meat Preparations | --- | 5.6 | 7.8 | 12.5 | 12.5 | 17.3 | 18.3 |
| Fish and Marine Animals | --- | 9.1 | 9.9 | 8.4 | 7.6 | 10.5 | 10.7 |
| Fresh Fruits and Berries | --- | 25.9 | 26.0 | 30.6 | 30.4 | 30.5 | 29.5 |
| Dried Fruits, Fruits and Fruit Preperations | --- | 9.1 | 7.7 | 7.8 | 6.9 | 4.2 | 3.9 |
| Fresh Vegetables | --- | 21.9 | 21.7 | 24.7 | 24.4 | 24.2 | 26.8 |
| Other Vegetables and Vegetable Preperations | --- | 6.7 | 7.0 | 7.5 | 8.1 | 10.1 | 9.6 |
| Cocoa, Coffee, Tea and other Food Preperations | --- | 18.5 | 13.8 | 17.9 | 18.2 | 23.9 | 15.4 |
| Dairy Produce, Eggs, and Honey | --- | 3.1 | 3.2 | 6.4 | 9.4 | 9.8 | 10.8 |
| Corn (Maize) Shelled | --- | 11.2 | 10.9 | 10.1 | 20.3 | 15.4 | 3.6 |
| Other Cereals and Cereal Preparations | --- | 12.2 | 15.0 | 19.6 | 16.6 | 14.4 | 14.2 |
| Sugar and Sugar Preparations | --- | 11.0 | 11.9 | 13.3 | 13.4 | 11.1 | 11.0 |
| Fodder, Feed, excluding Unmilled Cereal | --- | 30.5 | 34.4 | 41.8 | 36.8 | 41.0 | 42.1 |
| Beverages | --- | 11.3 | 8.3 | 10.4 | 12.3 | 12.9 | 10.9 |
| Tobacco | --- | 4.5 | 4.9 | 5.4 | 2.0 | 3.2 | 3.5 |
| Crude Materials, Inedible | 70.4 | 57.0 | 53.7 | 59.1 | 75.9 | 77.4 | 92.3 |
| Metals in Ores, Concentrates and Scrap | --- | 2.4 | 4.3 | 8.6 | 6.5 | 5.2 | 5.8 |
| Coal and other Related Products | --- | 0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 |
| Crude Animal Products | --- | 34.2 | 27.4 | 25.1 | 40.8 | 43.6 | 58.2 |
| Crude Vegetable Products | --- | 13.1 | 14.5 | 15.2 | 20.2 | 20.0 | 18.3 |
| Crude Wood Products | --- | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 |
| Cotton, Wool and Man-made Fibres | --- | 2.6 | 2.7 | 2.3 | 1.1 | 1.6 | 1.7 |
| Crude Non-metallic Minerals | --- | 4.3 | 4.4 | 7.4 | 6.9 | 6.7 | 8.0 |
| Fabricated Materials, Inedible | 313.8 | 274.3 | 314.0 | 396.9 | 431.6 | 458.7 | 454.5 |
| Wood Fabricated Materials | --- | 8.3 | 15.4 | 17.3 | 18.1 | 30.3 | 42.6 |
| Textile Fabricated Materials | --- | 36.1 | 40.4 | 48.8 | 61.3 | 59.8 | 59.6 |
| Organic Chemicals | --- | 20.5 | 29.5 | 40.1 | 41.0 | 59.9 | 54.7 |
| Plastic Materials | --- | 20.6 | 25.8 | 33.8 | 0.0 | 0.0 | 55.2 |
| Other Chemicals and Related Products | --- | 77.1 | 86.0 | 113.5 | 160.0 | 160.5 | 75.9 |
| Petroleum and Coal Products | --- | 2.0 | 2.0 | 2.4 | 3.0 | 4.0 | 6.5 |
| Steel Bars, Rods, Plates, and Sheets | --- | 6.0 | 10.9 | 8.0 | 7.2 | 5.7 | 11.4 |
| Other Iron and Steel Products | --- | 10.3 | 8.5 | 10.3 | 7.8 | 7.7 | 7.4 |
| Precious Metals including Alloys | --- | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 |
| Other Non-ferrous Metals and Alloys | --- | 11.0 | 11.9 | 15.8 | 14.0 | 15.8 | 18.3 |
| Metal Fabricated Basic Products | --- | 22.2 | 20.2 | 24.1 | 28.0 | 29.8 | 30.2 |
| Rubber Fabricated Materials | --- | 4.8 | 4.4 | 5.2 | 4.6 | 5.2 | 4.4 |
| Oils, Fats, Animal and Vegetable | --- | 2.8 | 3.1 | 3.9 | 3.6 | 4.9 | 4.5 |
| Non-metallic Minerals | --- | 15.6 | 10.9 | 13.8 | 15.3 | 15.6 | 16.3 |
| Other Fabricated Materials | --- | 36.9 | 44.9 | 59.7 | 67.4 | 59.4 | 67.3 |
| End Products, Inedible | 1696.1 | 1423.5 | 1440.3 | 2032.1 | 2114.4 | 2039.7 | 2084.1 |
| Engines, Turbines and Electric Motors | --- | 20.6 | 19.9 | 24.9 | 19.8 | 23.7 | 23.5 |
| Drilling Mining Machinery | --- | 10.0 | 4.3 | 7.4 | 15.0 | 7.3 | 11.9 |
| Excavating Machinery | --- | 24.0 | 28.2 | 36.9 | 42.8 | 46.9 | 46.1 |
| Metal Working Machinery | --- | 10.5 | 6.6 | 15.4 | 9.5 | 12.0 | 13.2 |
| Other industrial Machinery | --- | 99.0 | 86.9 | 113.6 | 101.8 | 119.7 | 114.6 |
| Agricultural Machinery including Tractors | --- | 470.0 | 362.2 | 378.9 | 326.7 | 295.6 | 247.4 |
| Passenger Autos and Chassis | --- | 125.4 | 279.7 | 400.5 | 620.0 | 489.9 | 392.3 |
| Trucks and other Motor Vehicles | --- | 138.6 | 155.9 | 245.1 | 323.9 | 367.2 | 385.0 |
| Motor Vehicle Parts including Engines and Parts | --- | 49.6 | 47.6 | 48.2 | 51.5 | 42.0 | 37.8 |
| Televisions, Radios, Phonographs | --- | 4.0 | 4.2 | 3.8 | 2.2 | 3.4 | 3.6 |
| Other Communications and Related Equipment | --- | 25.5 | 23.3 | 27.6 | 25.7 | 22.9 | 21.7 |
| Office Machines and Equipment | --- | 39.1 | 49.0 | 75.7 | 111.4 | 72.2 | 224.8 |
| Other Equipment and Tools | --- | 87.3 | 115.2 | 125.8 | 121.2 | 133.2 | 152.0 |
| Aircraft, Engines, and Parts | --- | 126.7 | 51.4 | 57.2 | 106.2 | 143.9 | 123.6 |
| Other Transportation Equipment and Parts | --- | 23.4 | 23.2 | 253.5 | 31.0 | 29.2 | 39.3 |
| Footwear, Apparel and Apparel Accessories | --- | 39.1 | 37.8 | 58.7 | 46.9 | 54.4 | 62.8 |
| Printed Matter | --- | 69.9 | 77.0 | 84.0 | 76.7 | 79.6 | 84.1 |
| Watches, Sporting Goods and Toys | --- | 12.0 | 10.5 | 9.3 | 9.8 | 11.7 | 13.1 |
| House Furnishings | --- | 12.7 | 16.2 | 17.0 | 22.2 | 23.0 | 20.1 |
| Photographic Goods | --- | 3.4 | 3.9 | 4.4 | 4.7 | 4.4 | 3.9 |
| Miscellaneous End Products | --- | 32.6 | 37.3 | 44.4 | 45.4 | 57.4 | 63.0 |
| Special Transactions, Trade | 25.2 | 26.4 | 28.1 | 48.1 | 55.6 | 46.4 | 51.4 |
| Total Imports | 2284.5 | 1966.1 | 2021.3 | 2755.4 | 2899.6 | 2854.2 | 2895.7 |

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Note: (1) The commodity groupings are based on the Import Commodity Classification (MCC) codes.

Table 8
Manitoba Foreign Imports, by Commodity, 1988
Top fifty import commodity groups

| Commodity group | ($000,000) | Pcnt. of Total |
|---|---|---|
| Personal transportation vehicles | 146.3 | 5.5% |
| Automatic data processing machines; optical readers, etc. | 119.7 | 4.5% |
| Parts & accessories for typewriters, computers, office equipment, etc. | 106.6 | 4.0% |
| Turbo-jets, turbo-propellers and other gas turbines | 86.0 | 3.3% |
| Motor vehicles for the transport of goods | 81.3 | 3.1% |
| Newspapers, journals and periodicals | 74.7 | 2.8% |
| Harvesting and threshing machinery, etc. | 67.4 | 2.6% |
| Parts & accessories for motor vehicles | 62.7 | 2.4% |
| Insecticides, fungicides, herbicides etc. packed for retail sale | 51.8 | 2.0% |
| Tractors other than public works type tractors | 51.6 | 2.0% |
| Commodities 1 - 10 | 848.3 | 32.1% |
| Soya-bean oil-cake and other solid residues | 46.1 | 1.7% |
| Self-propelled bulldozers, graders, shovel loaders, etc. | 45.9 | 1.7% |
| Public-transport type passenger motor vehicles | 42.0 | 1.6% |
| Parts suitable for use solely or principally with heavy equipment | 32.2 | 1.2% |
| Electrical energy | 31.6 | 1.2% |
| Raw furskins & pieces suitable for furriers' use, nes | 29.9 | 1.1% |
| New pneumatic tires, of rubber | 23.9 | 0.9% |
| Parts for aircraft, gliders, balloons, etc. | 22.2 | 0.8% |
| Transmission shafts & cranks, gearing, ball screws, etc. | 21.7 | 0.8% |
| Parts suitable for use with compression & spark ignition engines | 21.2 | 0.8% |
| Commodities 11 - 20 | 316.8 | 12.0% |
| Wood sawn or chipped lengthwise | 21.1 | 0.8% |
| Compression-ignition internal combustion piston engines | 20.3 | 0.8% |
| Agricultural, horticultural, etc. machinery for soil preparation etc. | 18.5 | 0.7% |
| Mineral & chemical Fertilizers | 17.3 | 0.7% |
| Acyclic hydrocarbons | 16.0 | 0.6% |
| Carboxylic acids | 15.1 | 0.6% |
| Spark-ignition internal combustion piston engines | 14.7 | 0.6% |
| Machines & mechanical appliances having individual functions, nes | 14.6 | 0.6% |
| Jerseys, pullovers, cardigans, waistcoats etc., knitted or crocheted | 13.5 | 0.5% |
| Pumps for liquids, liquid elevators | 13.4 | 0.5% |
| Commodities 21 - 30 | 164.6 | 6.2% |
| Prepared or preserved meat, meat offal or blood, nes | 13.3 | 0.5% |
| Plates, sheets, film etc. nes, of plastic | 13.2 | 0.5% |
| Articles of plastics nes | 13.0 | 0.5% |
| Refrigerators, freezers, heat pumps, etc. | 12.5 | 0.5% |
| Chemical wood pulp | 12.3 | 0.5% |
| Ball or roller bearings | 12.3 | 0.5% |
| Trailers & semi-trailers, etc.& parts thereof | 12.1 | 0.5% |
| Raw hides & skins of bovine or equine animals | 12.0 | 0.5% |
| Insulated wire/cable & other insulated electric conductors | 11.0 | 0.4% |
| Animal feed preparations, nes | 10.8 | 0.4% |
| Commodities 31 - 40 | 122.6 | 4.6% |
| Organo-sulphur compounds | 10.4 | 0.4% |
| Polymers of ethylene | 10.2 | 0.4% |
| Paper & paperboard, coated | 10.2 | 0.4% |
| Uncoated writing paper, punch card stock & punch tape paper | 10.0 | 0.4% |
| Aluminum plates, sheets and strip, of a thickness exceeding 0.2mm | 9.8 | 0.4% |
| Electric motors and generators (excluding generating sets) | 9.6 | 0.4% |
| Electrical apparatus for switching not exceeding 1000 volts | 9.6 | 0.4% |
| Air conditioning machinery | 9.6 | 0.4% |
| Screws, bolts, screw hooks, rivets, washers, etc. | 9.4 | 0.4% |
| Centrifuges, filtering or purifying machinery and appliances | 9.3 | 0.4% |
| Commodities 41 - 50 | 98.1 | 3.7% |
| All other commodity Imports | 1089.5 | 41.3% |
| GRAND TOTAL COMMODITY IMPORTS | 2639.8 | 100.0% |

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Notes: (1) Commodity groupings are at the four digit level of the Harmonized System (HS).

(2) Ranking excludes $52.6 million of unclassifiable imports (2.0%).

## CHART 7
## MANITOBA FOREIGN EXPORTS BY INDUSTRY
## 1988

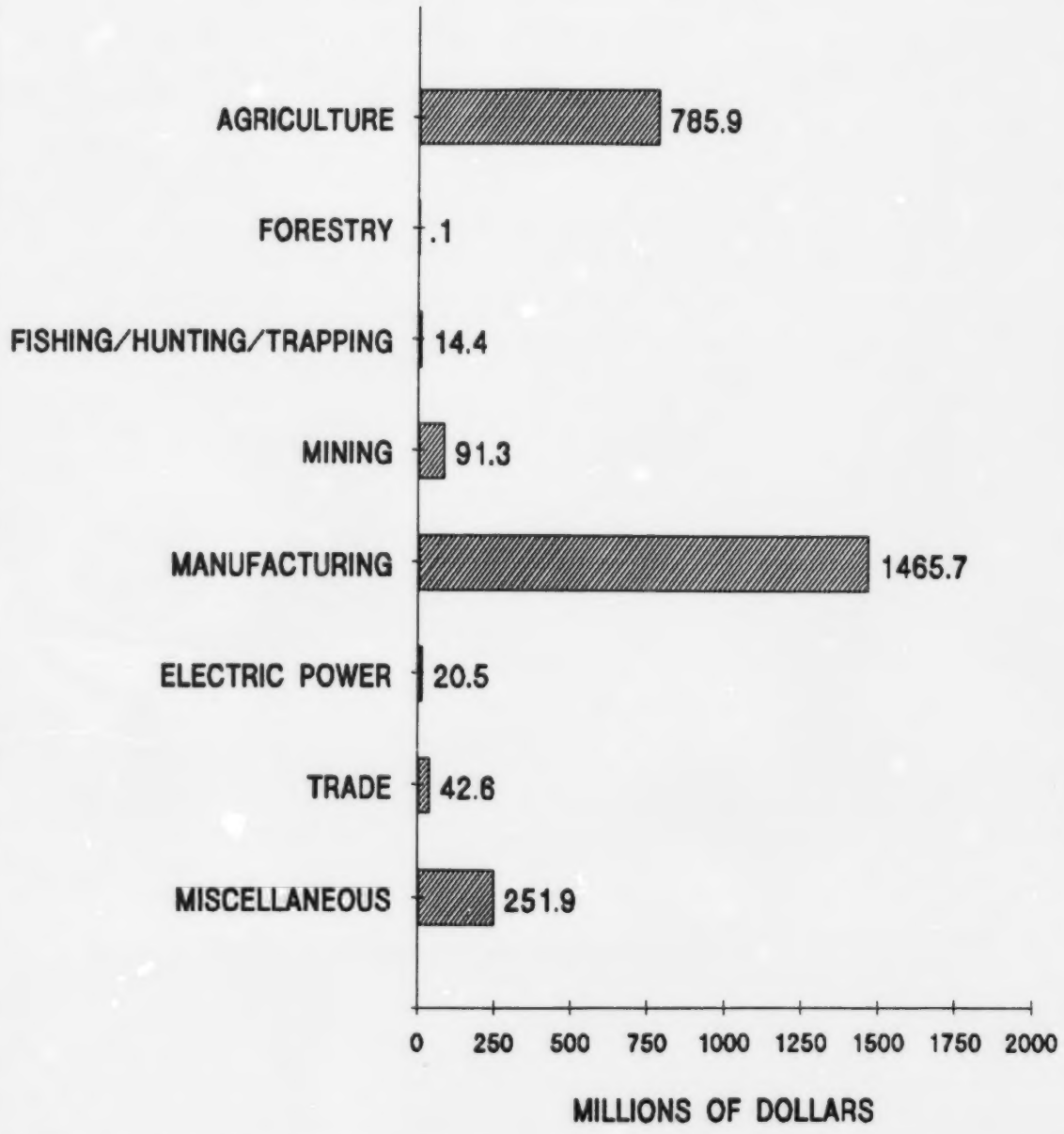


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Table 9
Manitoba Exports to the Rest of the World, by Industry, 1981 - 1988

| (Millions Of Current Dollars) | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 |
|---|---|---|---|---|---|---|---|---|
| Agriculture | 648.9 | 810.8 | 907.1 | 973.8 | 850.4 | 793.4 | 834.4 | 785.9 |
| Forestry | 1.1 | 0.3 | 0.3 | 0.1 | 0.3 | 0.3 | 0.1 | 0.1 |
| Fishing, Hunting and Trapping | 14.5 | 11.3 | 9.5 | 12.2 | 12.3 | 11.8 | 15.9 | 14.4 |
| Metal Mines | 24.0 | 7.5 | 3.4 | 1.5 | 3.7 | 5.2 | 3.0 | 2.6 |
| Mineral Fuels | 59.6 | 66.5 | 104.9 | 20.5 | 74.3 | 64.2 | 69.3 | 51.0 |
| Non-metal Mines | 12.5 | 12.0 | 8.1 | 9.2 | 13.4 | 12.1 | 16.2 | 37.4 |
| Quarries and Sandpits | 0.1 | 0.1 | 0.1 | 0.5 | 0.2 | 0.2 | 0.4 | 0.3 |
| Total Mining | 96.1 | 86.1 | 116.6 | 31.6 | 91.6 | 81.6 | 88.9 | 91.3 |
| Food Industries | 83.3 | 91.6 | 92.8 | 122.2 | 174.1 | 182.2 | 210.3 | 260.4 |
| Beverage Industries | 5.7 | 5.2 | 5.6 | 5.7 | 6.8 | 7.3 | 8.5 | 7.5 |
| Tobacco Products Industries | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| Rubber Products Industries | 0.5 | 0.6 | 1.1 | 1.0 | 1.1 | 1.4 | 1.3 | 1.8 |
| Plastics Products Industries | 4.6 | 7.5 | 11.8 | 22.5 | 33.1 | 40.2 | 47.4 | 48.4 |
| Leather and Allied Products Industries | 2.5 | 1.8 | 1.7 | 1.9 | 3.9 | 5.0 | 7.2 | 5.4 |
| Primary Textile Industries | 1.9 | 0.3 | 1.1 | 1.6 | 1.5 | 1.6 | 0.9 | 2.1 |
| Textile Products Industries | 9.2 | 12.5 | 15.0 | 13.6 | 23.1 | 21.6 | 25.6 | 7.2 |
| Clothing Industries | 15.6 | 13.7 | 12.4 | 14.2 | 15.5 | 17.6 | 22.4 | 22.3 |
| Wood Industries | 47.7 | 48.3 | 50.4 | 72.3 | 91.8 | 94.6 | 65.9 | 64.4 |
| Furniture and Fixtures Industries | 3.3 | 4.6 | 7.6 | 9.1 | 16.2 | 20.3 | 26.6 | 19.4 |
| Paper and Allied Products Industries | 72.4 | 52.4 | 50.3 | 71.3 | 84.7 | 117.1 | 122.9 | 118.8 |
| Printing, Publishing and Allied Industries | 4.8 | 3.6 | 4.7 | 6.1 | 8.2 | 9.6 | 18.2 | 14.5 |
| Primary Metals Industries | 98.4 | 87.5 | 86.2 | 104.5 | 83.3 | 124.8 | 221.0 | 41.3 |
| Fabricated Metal Products Industries | 38.9 | 13.5 | 13.4 | 34.2 | 28.4 | 39.2 | 31.2 | 24.9 |
| Machinery Industries | 246.7 | 240.6 | 222.9 | 297.4 | 149.8 | 106.2 | 140.9 | 199.7 |
| Transportation Equipment Industries | 205.9 | 209.1 | 199.2 | 215.1 | 217.8 | 183.8 | 247.6 | 250.9 |
| Electrical and Electronic Products Industries | 27.7 | 41.9 | 50.3 | 60.9 | 128.8 | 106.9 | 261.5 | 276.7 |
| Non-metallic Mineral Products Industries | 5.5 | 4.1 | 5.6 | 9.8 | 14.7 | 11.9 | 8.0 | 9.0 |
| Refined Petroleum and Coal Products Industries | 4.4 | 16.9 | 58.0 | 44.2 | 66.3 | 46.5 | 33.8 | 39.4 |
| Chemical and Chemical Products Industries | 39.8 | 24.7 | 27.5 | 33.2 | 41.9 | 39.3 | 32.5 | 42.5 |
| Miscellaneous Manufacturing Industries | 8.3 | 12.9 | 12.5 | 15.2 | 16.2 | 24.2 | 31.1 | 9.1 |
| Total Manufacturing | 927.1 | 893.5 | 929.9 | 1156.3 | 1207.2 | 1201.2 | 1564.9 | 1465.7 |
| Electric Power Industry | 92.6 | 73.8 | 91.4 | 94.5 | 96.2 | 111.0 | 65.1 | 20.5 |
| Wholesale Trade | 6.5 | 6.7 | 5.9 | 9.2 | 7.3 | 9.2 | 13.3 | 42.6 |
| Retail Trade | 0.2 | 0.8 | 0.9 | 0.7 | 0.9 | 1.2 | 1.2 | 0.0 |
| Total Trade | 6.7 | 7.5 | 6.8 | 9.9 | 8.1 | 10.4 | 14.5 | 42.6 |
| Miscellaneous Industries N.E.S. | 4.5 | 5.1 | 5.0 | 15.0 | 24.4 | 25.3 | 24.2 | 25.0 |
| Confidential and Low Value Exports | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 226.9 |
| Total Merchandise Exports | 1791.6 | 1888.5 | 2066.7 | 2293.4 | 2290.6 | 2234.9 | 2608.0 | 2672.5 |

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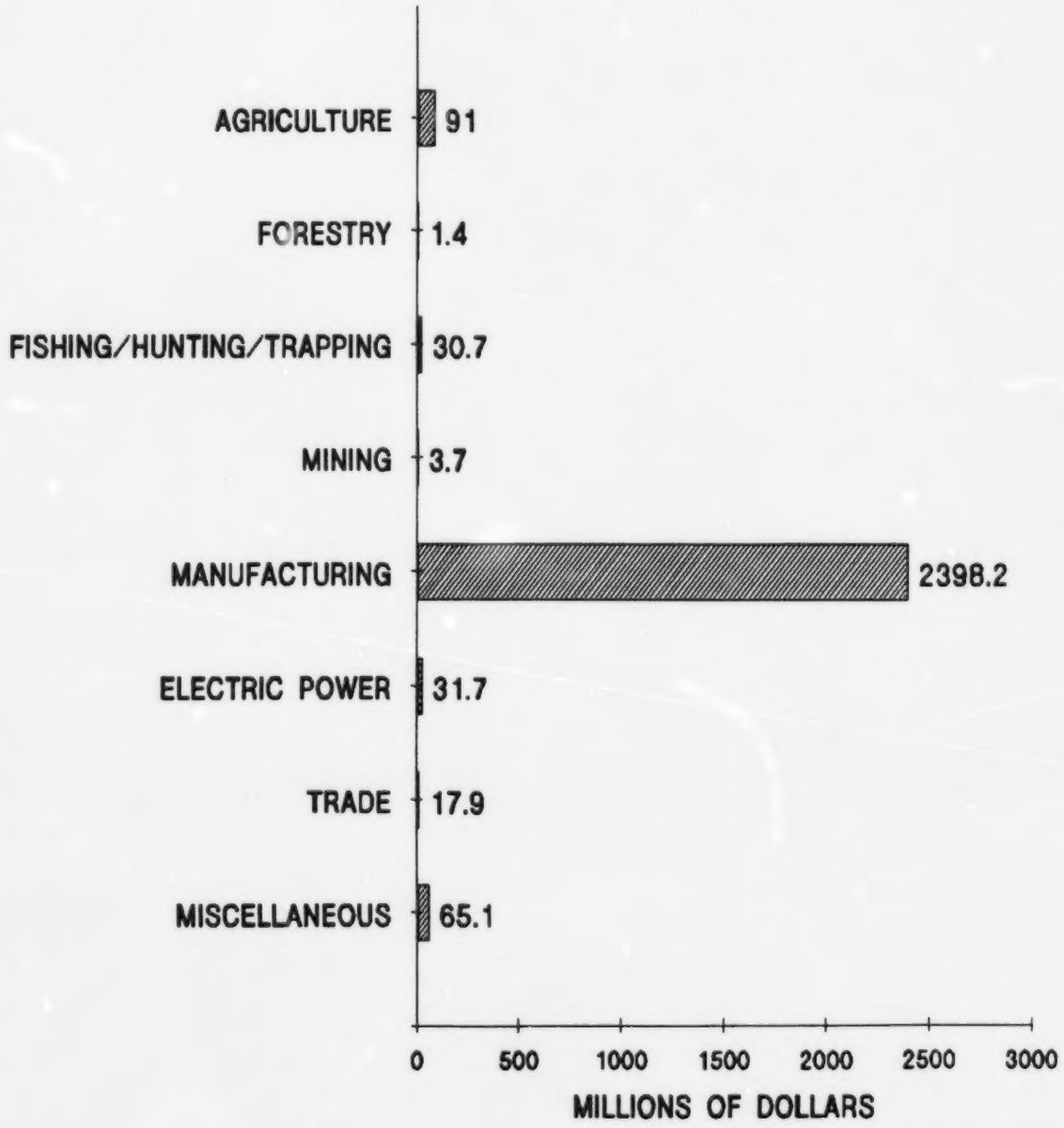
Note: (1) 1988 data not directly comparable as it is based on Harmonized System (HS) whereas previous years were based on the Export Commodity Classification (XCC).

(2) Confidential and low Value Exports classification not defined prior to 1988.

## CHART 8
## MANITOBA FOREIGN IMPORTS BY INDUSTRY
## 1988




MANITOBA BUREAU OF STATISTICS - NOV. 1989 MANITOBA TRADE STATISTICS DATA BASE

Table 10

Manitoba Imports from the Rest of the World, by Industry, 1981 - 1988

| (Millions Of Current Dollars) | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 |
|---|---|---|---|---|---|---|---|---|
| Agriculture | 98.6 | 98.1 | 93.9 | 102.5 | 112.5 | 104.1 | 91.0 | 91.0 |
| Forestry | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 1.4 |
| Fishing, Hunting and Trapping | 41.1 | 34.5 | 25.0 | 23.5 | 29.2 | 33.1 | 42.4 | 30.7 |
| Metal Mines | 2.7 | 1.1 | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.6 |
| Mineral Fuels | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Non-metal Mines | 1.8 | 2.5 | 2.1 | 2.6 | 1.8 | 1.6 | 2.2 | 1.9 |
| Quarries and Sandpits | 0.2 | 0.2 | 0.4 | 1.1 | 0.8 | 0.6 | 0.7 | 1.1 |
| Total Mining | 4.9 | 3.8 | 3.1 | 4.1 | 3.0 | 2.7 | 3.3 | 3.7 |
| Food Industries | 82.5 | 86.1 | 97.2 | 120.8 | 129.9 | 146.4 | 145.7 | 162.9 |
| Beverage Industries | 11.1 | 11.3 | 8.3 | 10.4 | 12.5 | 13.0 | 10.9 | 13.0 |
| Tobacco Products Industries | 1.1 | 4.5 | 4.9 | 5.4 | 2.0 | 3.2 | 3.5 | 2.4 |
| Rubber Products Industries | 21.9 | 16.9 | 18.1 | 31.9 | 19.5 | 16.5 | 28.4 | 36.0 |
| Plastics Products Industries | 7.6 | 7.7 | 9.6 | 14.6 | 29.2 | 34.4 | 34.6 | 55.2 |
| Leather and Allied Products Industries | 8.2 | 8.4 | 7.9 | 10.8 | 9.3 | 10.3 | 12.3 | 16.1 |
| Primary Textile Industries | 33.0 | 26.2 | 28.7 | 33.8 | 41.4 | 39.4 | 39.1 | 32.5 |
| Textile Products Industries | 13.9 | 13.1 | 16.2 | 16.7 | 17.1 | 15.8 | 15.5 | 19.3 |
| Clothing Industries | 39.8 | 35.9 | 35.6 | 55.4 | 43.7 | 50.1 | 59.0 | 55.8 |
| Wood Industries | 13.8 | 10.5 | 16.8 | 18.8 | 18.9 | 25.3 | 31.6 | 40.9 |
| Furniture and Fixtures Industries | 9.2 | 6.6 | 7.5 | 8.6 | 8.2 | 9.3 | 10.4 | 11.3 |
| Paper and Allied Products Industries | 27.0 | 25.7 | 33.1 | 45.6 | 45.1 | 50.8 | 60.2 | 76.4 |
| Printing, Publishing and Allied Industries | 58.1 | 70.3 | 77.3 | 84.3 | 77.3 | 80.0 | 84.5 | 88.7 |
| Primary Metals Industries | 66.4 | 27.3 | 30.8 | 33.3 | 27.1 | 28.8 | 37.5 | 39.3 |
| Fabricated Metal Products Industries | 43.0 | 37.9 | 41.2 | 46.1 | 57.8 | 63.3 | 65.0 | 96.5 |
| Machinery Industries | 848.7 | 683.1 | 579.5 | 690.0 | 543.2 | 531.3 | 492.6 | 463.7 |
| Transportation Equipment Industries | 560.4 | 455.4 | 539.0 | 970.4 | 1120.7 | 1069.4 | 961.3 | 508.0 |
| Electrical and Electronic Products Industries | 73.9 | 78.8 | 94.1 | 98.0 | 191.9 | 152.5 | 309.6 | 340.4 |
| Non-metallic Mineral Products Industries | 15.9 | 15.5 | 13.4 | 18.0 | 20.4 | 20.7 | 23.4 | 25.2 |
| Refined Petroleum and Coal Products Industries | 2.4 | 2.1 | 2.1 | 2.5 | 3.1 | 4.0 | 6.5 | 11.3 |
| Chemical and Chemical Products Industries | 105.2 | 119.6 | 142.8 | 186.4 | 187.3 | 202.9 | 171.6 | 221.9 |
| Miscellaneous Manufacturing Industries | 58.8 | 53.2 | 59.8 | 62.3 | 83.1 | 91.7 | 89.1 | 81.4 |
| Total Manufacturing | 2102.1 | 1796.0 | 1863.8 | 2564.0 | 2688.9 | 2659.2 | 2692.3 | 2398.2 |
| Electric Power Industry | 2.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 31.7 |
| Wholesale Trade | 9.0 | 2.8 | 5.5 | 11.7 | 8.9 | 7.3 | 8.6 | 17.7 |
| Retail Trade | 1.2 | 0.9 | 1.1 | 0.8 | 1.2 | 0.9 | 2.3 | 0.2 |
| Total Trade | 10.2 | 3.7 | 6.6 | 12.6 | 10.1 | 8.2 | 10.9 | 17.9 |
| Miscellaneous Industries N.E.S. | 25.6 | 26.7 | 28.4 | 48.4 | 55.9 | 46.6 | 51.7 | 12.5 |
| Confidential and Low Value Imports | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 52.6 |
| Total Merchandise Imports | 2284.5 | 1966.1 | 2021.2 | 2755.4 | 2899.6 | 2854.2 | 2895.7 | 2639.8 |

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Notes: (1) The 1988 data is not directly comparable as it is based on the Harmonized System (HS) whereas previous years were based on the Import Commodity Classification (MCC).

(2) The "Confidential and Low Value Imports" classification was not defined prior to 1988.